

TECHNICAL DATA - OPENWELL SUBMERSIBLE PUMPSETS				
Specifications	Horizontal		Vertical	
Rating	0.5HP - 5.0HP (0.37kW - 3.7kW)	3.0HP - 10.0HP (2.2kW - 7.5kW)	0.5HP - 2.0HP (0.37kW - 1.50kW)	3.0HP - 50.0HP (2.2kW - 37.0kW)
Head Range	9 - 40 mts	12 - 48 mts	12 - 112 mts	12 - 220 mts
Discharge	20 - 420 LPM	110 - 1890 LPM	17 - 480 LPM	100 - 3220 LPM
Phase	1Ø & 3Ø	3Ø	1Ø & 3Ø	3Ø
Voltage	180 - 240 & 380 - 440	380 - 440	180 - 220 & 380 - 440	380 - 440
Duty type	S1 (Continuous)	S1 (Continuous)	S1 (Continuous)	S1 (Continuous)
Speed	2850 rpm	2850 rpm	2850 rpm	2850 rpm
Cable	3 Core Flat	3 Core Flat	3 Core Flat	3 Core Flat
Connection	—	DOL / Star - Delta	—	DOL / Star - Delta
Temperature	< 35°C	< 35°C	< 35°C	< 35°C
pH	6.5 - 8.5	6.5 - 8.5	6.5 - 8.5	6.5 - 8.5
Specific gravity	1.004 Max	1.004 Max	1.004 Max	1.004 Max
Pumping Medium	Clean Water free from solids & fibre free, chemically and mechanically Non - aggressive	Clean Water free from solids & fibre free, chemically and mechanically Non - aggressive	Clean Water free from solids & fibre free, chemically and mechanically Non - aggressive	Clean Water free from solids & fibre free, chemically and mechanically Non - aggressive

CONSTRUCTION FEATURES - OPENWELL SUBMERSIBLE PUMPS				
Part Name	Horizontal 1Ø	Horizontal 3Ø	Vertical 1Ø	Vertical 3Ø
Motor Body	Stainless Steel	Cast Iron, Mild Steel	Stainless Steel	Cast Iron, Mild Steel
Pump Casing / Shell	FG200 / Stainless Steel	FG200	Stainless Steel	FG200
Impeller	FG200/SS304	FG200	Noryl	FG200
Diffuser	—	—	Noryl	Cast Iron
Shaft	SS410 / SS420	SS410 / SS420	SS410 / SS420	SS410 / SS420
Thrust Bearing	SS / Carbon Graphite	SS / Carbon Graphite	SS / Carbon graphite	SS / Carbon Graphite
Middle Bearing	Bronze / Carbon Graphite	Bronze / Carbon Graphite	Bronze / Carbon graphite	Bronze / Carbon Graphite
Cooling Medium	Water	Water	Water	Water

SPECIAL FEATURES	
- Designed for wide voltage fluctuations - Rewindable motor portion - Easy maintenance - High operating efficiency - Dynamically Balanced Rotors & Impellers to ensure long life	- Water lubricated bearings - Smooth and Noiseless operations - Low friction carbon thrust bearing - Carbon thrust bearing for low voltage and quick start.

APPLICATIONS



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Sharp Pumps Pvt. Ltd.,

Point Arcade, Sharp Nagar, Kalappatti, Coimbatore 641 048. TN. INDIA.

Ph : +91 - 422 - 6585 201 / 202, Fax : +91 - 422 - 2627 634.

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HORIZONTAL OPENWELL SUBMERSIBLE PUMPSETS GOLDEN SERIES at 220V/415V (-15% to +6%), 2850 RPM, 50Hz, A.C. power supply																
MODEL	kW	HP	Pipe Size in mm	CAPACITY												
				Lps	0	0.33	0.67	1.00	1.33	1.67	2.00	2.50	3.00	5.28	6.06	7.00
				Lpm	0	20	40	60	80	100	120	150	180	317	363	420
				Lph	0	1200	2400	3600	4800	6000	7200	9000	10800	19000	21800	25200
PWS 50G	0.37	0.5	25X25	HEAD IN METERS	24	22	20	17	12							
PWS 100G	0.75	1.0	32X25		30	26	26	25	24	22	20					
PWS 100S	0.75	1.0	32X25		32	28	27	26	25	23	21					
PWS 110G	0.75	1.0	25X25		30	28	26	24	22	20	17	9				
PWS 110 S	0.75	1.0	25X25		33	30	29	28	27	24	20	10				
PWS 150G	1.10	1.5	32X25		40	36	35	33	31	29	26	18				
PWS 155G	1.10	1.5	40X40		30	29	28	27	26	25	24	23	22	20		
PWS 200G	1.50	2.0	50X40		33	32	31	30	28	27	25	24	23	15		
PWS 216G	1.50	2.0	50X50		24						22	20	18	14	10	8
PWS 316G	2.20	3.0	65X50		36						33	31	30	28	26	24
PWS 516G	3.70	5.0	65X50		40						38	36	35	34	33	30

All models available in 3 phase also.

VERTICAL OPENWELL SUBMERSIBLE PUMPSETS GOLDEN SERIES* at 220V/415V (-15% to +6%), 2850 RPM, 50Hz, A.C. power supply														
MODEL	kW	HP	Stages	Pipe Size in mm	CAPACITY									
					Lps	0	0.28	0.33	0.50	0.67	0.83	1.00	1.17	1.33
					Lpm	0	17	20	30	40	50	60	70	80
					Lph	0	1020	1200	1800	2400	3000	3600	4200	4800
PWG 50G	0.37	0.50	5	32	HEAD IN METERS	37	36	35	33	30	28	23	20	14
PWG 75G	0.55	0.75	6	32		44	42	41	40	35	32	27	24	15
PWG 100G	0.75	1.00	7	32		51	50	49	46	43	40	34	28	20
PWG 110G	0.75	1.00	10	32		71	68	66	64	60	53	45	37	28
PWG 112G	0.75	1.00	12	32		85	81	80	70	66	60	53	45	37
PWG 150G	1.10	1.50	9	32		66	63	61	60	56	52	45	37	30
PWG 1515G	1.10	1.50	15	32		112	102	100	92	84	75	60	46	32

VERTICAL OPENWELL SUBMERSIBLE PUMPSETS																								
GOLDEN SERIES* at 220V/415V (-15% to +6%), 2850 RPM, 50Hz, A.C. power supply																								
Model	kW	HP	Stages	Pipe Size in mm	CAPACITY												6.00	6.50	7.00	7.50	8.00			
					Lps	0	1.67	2.33	2.83	3.00	3.50	4.17	5.00	5.50										
					Lpm	0	100	140	170	180	210	250	300	330	360	390						420	450	480
					Lph	0	6000	8400	10200	10800	12600	15000	18000	19800	21600	23400						25200	27000	28800
PWG 203G	1.50	2.00	3	50	HEAD IN METERS	31				29	28	27	25	23	21	19	18	14	12					
PWG 204G	1.50	2.00	4	50		42	40	38	36	34	32	30	24	20	16	12								
PWG 205G	1.50	2.00	5	50		49	45	40	35	33	26	20												

* All models available in 3 phase also.

HORIZONTAL OPENWELL SUBMERSIBLE PUMPSETS ECONOMY SERIES at 380V (-15% to +6%), 2850 RPM, 50Hz, A.C. power supply																
MODEL	kW	HP	Pipe Size in mm	CAPACITY												
				Lps	0	1.83	2.50	3.33	4.17	5.00	5.83	6.67	8.33	10.00	11.67	15.00
				Lpm	0	110	150	200	250	300	350	400	500	600	700	900
				Lph	0	6600	9000	12000	15000	18000	21000	24000	30000	36000	42000	54000
POHM 35	2.2	3.0	65X50	HEAD IN METERS	26	25.5	25.2	25	24.8	24.4	23.8	23	20	16.5	13.5	
POHM 37	2.2	3.0	75X65		20.5	20	19.8	19.5	19.1	18.9	18.5	18.2	17.5	16.5	14.5	
POHM 55	3.7	5.0	65X50		31.5	31.2	31	30.7	30.4	30	29.5	28.9	27.5	25.3	22	16.8
POHM 57	3.7	5.0	75X65		27	26.8	26.4	26.2	26	25.8	25.6	25.4	25.2	24.2	22.5	18
POHM 54	3.7	5.0	100x75		22	21.5	21.3	21	20.5	20	19.5	19	18.5	17	15	11
POHM 35H	2.2	3.0	65X50		36	33.4	32	31	30	28.6	27.4	25.7	22.4	18.8	15	
POHM 55H	3.7	5.0	65X50		42	41	39.9	38.7	37.6	36.3	34.7	33.3	30.3	27.3	24	20
POHM 75	5.5	7.5	65X50		42	41.7	41.5	41.2	40.8	40.5	40	39.5	38.5	36.3	32.8	25
POHM 77	5.5	7.5	75X65		36	35.7	35.3	35.1	34.8	34.6	34.3	34	33.5	32.5	31	28
POHM 74	5.5	7.5	100x75		30	29	28.6	28.2	28	27.7	27.2	27	26.6	26	25.5	25



HORIZONTAL OPENWELL SUBMERSIBLE PUMPSETS STANDARD SERIES at 380V (-15% to +6%), 2850 RPM, 50Hz, A.C. power supply																		
MODEL	kW	HP	Pipe Size in mm	CAPACITY														
				Lps	0	1.67	4.17	6.11	8.33	10.00	11.67	12.50	13.33	15.00	16.67	20.83		
				Lpm	0	100	250	366	500	600	700	750	800	900	1000	1250		
				Lph	0	6000	15000	22000	30000	36000	42000	45000	48000	54000	60000	75000		
OWS 305	2.2	3.0	75X65	HEAD IN METERS	21	20.5	19.5	19	18	17.2	16.3	15.6	15					
OWS 315	2.2	3.0	65X50		26	25.5	24	22	20	18	16							
OWS 505	3.7	5.0	75X65		27.5	27.2	26.5	26	25.5	24.5	23.5	23	22.8	21.8	19.5			
OWS 515	3.7	5.0	65X50		31.5	31	30	29	27.8	25.5	23.5	21.5	20					
OWS 705	5.5	7.5	75X65		37	36.5	36	35.5	35	34.2	33.5	32.8	32	30	28	22		
OWS 715	5.5	7.5	65X50		42.8	42.5	42	41	39.5	37	35.7	34	33	29.5	26			

HORIZONTAL OPENWELL SUBMERSIBLE PUMPSETS PREMIUM SERIES at 380V (-15% to +6%), 2850 RPM, 50Hz, A.C. power supply																	
MODEL	kW	HP	Pipe Size in mm	CAPACITY													
				Lps	0	1.67	2.50	4.17	8.33	11.67	13.33	15.00	16.67	20.83	25.00	29.17	
				Lpm	0	100	150	250	500	700	800	900	1000	1250	1500	1750	
				Lph	0	6000	9000	15000	30000	42000	48000	54000	60000	75000	90000	105000	
OWS 30	2.2	3.0	75X65	HEAD IN METERS	21	20.5	20	19.5	18	16.3	15						
OWS 31	2.2	3.0	65X50		26	25.5	24.9	24	20	16							
OWS 31H	2.2	3.0	65X50		36.5	35	34	32.3	28	22.5							
OWS 50	3.7	5.0	75X65		27.5	27.2	26.9	26.5	25.5	23.5	22.8	21.8	19.5				
OWS 51	3.7	5.0	65X50		31.5	31	30.5	30	27.8	23.5	20						
OWS 51H	3.7	5.0	65X50		42	41	40	38	32	24	21	17					
OWS 54	3.7	5.0	100X75		22	21.8	21.6	21	20	19	18	17	15.6	12	8		
OWS 70	5.5	7.5	75X65		37	36.5	36	35.5	35	33.5	31	30	28	22			
OWS 71	5.5	7.5	65X50		42.8	42.5	42	41.5	39.5	35.7	33	29.5	26				
OWS 74	5.5	7.5	100X75		30	29.7	29.5	29.3	28.5	27	26.2	25.5	24.5	21.8	17.5	13	
OWS 100	7.5	10.0	75X65		38.5	38.2	38	37	35.5	32.5	31.5	30	28	25			
OWS 101	7.5	10.0	65X50		56	55.5	53.5	52.8	46.5	40	37.5	34	31				
OWS 104	7.5	10.0	100X75	34.5	33.8	33.4	32.5	31.5	30	29.5	28.8	28	26				