

OPEN WELL SUBMERSIBLE PUMPS

SmART SUB Series Single Phase and Three Phase Horizontal open well Submersible Pumps are designed for under water application and therefore no need of priming and foot valve. Pumps are suitable for open well or tanks where there is wide fluctuations in water level.



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Product features :

- Carbon Radial bush bearing
- SS Thrust bearing and Carbon pads at both Drive End and Non Drive End to take care of axial thrust load
- PVC insulated 3 core 1.5mm² motor cable
- Anticorrosive coating on the Cast Iron parts - free from rust and corrosion
- Winding overhang protector
- Neck ring in the volute casing - High Efficiency
- Locally rewindable and repairable
- Supplied with Starter Box for 1 phase Pumps
- Designed for continuous duty S1
- Supplied with L bend stainer & Cable joining kit
- Cable Glands - To avoid ingress of water entry
- Both water filling and drain plugs are available.

Material of Construction :

- Impeller - Noryl & Cast Iron (CED Coated)
- Shaft - SS, Pump body - SS & Thrust ring-SS
- Radial Bearing - Carbon
- Mechanical Seal - Ceramic vs. Graphite
- Thrust bearing - SS / Carbon
- Volute casing - Cast Iron

Applications :

- Sump to Over Head Tank Filling
- Farms
- Fountains
- Industrial and rural water supply
- Gardening
- Landscaping

Pumped Liquid :

Clean, thin, non-aggressive, non-explosive, clear cold, fresh water without abrasives, solid particles or fibers.

Supply Voltage :

180V - 240V AC, 1ph, 50Hz; 360 - 440V AC, 3ph, 50Hz

Available Range :

Model	Phase	KW	HP	Flange Size (mm)		Hydraulic Data											
				Suction	Discharge												
SmART SUB HOS 1.0 - 0.5HP*	0.5	0.37	0.5	25	25	Flow (LPH)	7200	6600	5100	3900	2400	600					
						Head (m)	12	14	16	18	20	21					
SmART SUB HOS 1.0 - 1 HP*	1	0.75	1	25	25	Flow (LPH)	7800	7500	6900	6000	4800	3600	2400	1200			
						Head (m)	12	15	18	21	24	27	30	32			
SmART SUB HOS 2.0 - 1 HP*	1	0.75	1	50	50	Flow (LPH)	21000	18000	15000	10800	3000						
						Head (m)	6	9	12	15	18						
SmART SUB HOSD 1.0 - 1.5 HP*	1	1.1	1.5	32	25	Flow (LPH)	8400	7670	7000	6230	5280	4360	3370	1730			
SmART SUB HOTD 1.0 - 1.5 HP*	3					Head (m)	12	16	19	22	26	29	32	36			
SmART SUB HOSD 1.5 - 2.0 HP	1	1.5	2	40	40	Flow (LPH)	11260	11040	10020	8750	7330	6450	5300	3780	2550		
SmART SUB HOTD 1.5 - 2.0 HP	3					Head (m)	19	21	27	33	39	43	45	48	50		
SmART SUB HOT 1.5 - 3 HP	3	2.2	3	40	40	Flow (LPH)	19860	19620	19440	17580	15600	11940	8520				
						Head (m)	5	10	16	21	26	31	36				
SmART SUB HOT 2.0 - 5 HP	3	3.7	5	50	50	Flow (LPH)	33060	32160	29340	25740	22440	18420	13500	10680	7560		
						Head (m)	8	10	15	20	24	28	32	34	36		
SmART SUB HOT 2.0 - 7.5 HP	3	5.5	7.5	65	50	Flow (LPH)	39780	38640	36720	33660	30840	27120	23640	19440	13320	10020	6120
						Head (m)	11	15	20	25	30	35	40	45	50	52	54
SmART SUB HOT 2.5 - 7.5 HP	3	5.5	7.5	80	65	Flow (LPH)	61020	56220	50520	46380	40860	33720	25860	18420			
						Head (m)	22	24	26	29	31	33	35	37			
SmART SUB HOT 2.0 - 10.0 Hp	3	7.5	10	65	50	Flow (LPH)	42120	40280	38430	35340	32160	28740	24660	22220	13740		
						Head (m)	10	15	20	25	30	35	40	45	55		
SmART SUB HOT 2.5 - 10.0 Hp	3	7.5	10	80	65	Flow (LPH)	70260	66990	61860	55620	47400	38700	22140				
						Head (m)	27	29	31	33	35	37	39				

The Pump performance is based on rated voltage (220V for 1 phase, 415V for 3 phase) at rated frequency 50Hz.

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