

Multistage Submersible Pumps 80mm, 100mm, 150mm



SPECIAL FEATURES

- ☆ Ingenious hydraulic design ensures better efficiencies over a wide range of heads and discharges, varying between 60% and 140% of duty points. This means high energy savings even at a wide variation of water level in the bores.
- ☆ Because of special cooling arrangement in the motor, the winding temperature raise is kept to the minimum, even at extreme voltage fluctuations.
- ☆ **MOTOR**: The Motor is squirrel cage induction motor, totally enclosed and water filled. Body is made of heavy duty stainless steel to prevent rust formation. High quality water resistant polymer insulated wires are used for longer life. High tensile steel rotor shaft with copper rotor with good quality laminations, epoxy coated and baked for rust prevention. Thrust bearings are of special design the bush bearings are lead-tin for high wear resistance. The winding and bearings are cooled and lubricated by pure water, filled in the motor before installation. The motor is protected from well water, sand and foreign materials.
- ☆ **PUMP**: The impellers are of Noryl and dynamically balanced individually and also after assembly on the shaft. Special lead-tin bronze metal and high nitrile rubber bearing bushes are used for high wear resistance and longer life. A strainer is provided at inlet to prevent foreign materials getting into the pump. A non return valve is provided to prevent back-flow of water.

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S.No.	HP	Stage	TYPE	Del. Pipe (mm)	Head in M	Discharge in LPM														
						10	20	30	40	50										
1	0.5	8	3VAW	25		39	36	33	27	17										
2	0.75	10	3VAW	25		48	44	41	34	21										
3	0.75	13	3VAW	25		63	58	54	44	28										
4	1.0	11	3VAW	25		53	49	45	37	23										
5	1.0	16	3VAW	25		77	71	66	54	34										
6	1.5	24	3VAW	25		116	105	93	81	56										
						10	20	30	40	50	60	65	70							
7	0.5	10	3VBW	25		48	44	39	33	25	16	11								
8	0.75	15	3VBW	25		73	68	60	50	37	23	13								
9	1.0	20	3VBW	25		98	89	81	67	50	31	20	12							
						12	24	36	48	60	72	84	90							
10	1.0	10	3VCW	25		47.5	44.5	42.5	38	32.5	27.5	16.5	11.5							
						10	40	60	75	80										
11	1.0	12	3VCW	25		53	41.5	35	25	12										

The above performances are based on a mean supply voltage of 220V-1 Ph, 50 cycles