



Smart solutions.
Strong relationships.

3W & 4W SERIES

75mm & 100mm SUBMERSIBLE PUMPSETS



FEATURES

Motor :

- Energy Efficient - Saves power & Electricity Bills.
- 3000 RPM (Syn) speed.
- Dynamically balanced rotor - Vibration free, Longer life & better efficiency.
- Totally enclosed, water filled & Oil filled, squirrel cage induction motor.
- Cap Start & Run (PSC), for AC supply - Better starting torque at Low Voltage in single phase pumps.
- Stainless steel stator body - Rust preventative.
- Special water resistant PVC insulated high quality copper winding wire.
- Stainless steel rotor shaft - Rust preventive and longer life.
- Epoxy coated rotor - Rust prevention & longer life.
- Specially designed thrust pad - Longer life.
- Ease in rewinding - Serviceability

Pump :

- Corrosion and abrasion resistant parts are made of stainless steel, high strength engineering polymers and special alloy materials.
- Designed for optimum efficiency - Energy saver.
- Modular construction - Ease in assembly and dismantling.
- NRV fitted in discharge outlet to prevent backflow.

General :

- Better design - Better Efficiency - Low power consumption.
- Light weight - Ease in installation.
- Silent running.
- Reliable in operation.

Applications:

- Irrigation and Drip Irrigation.
- Sprinkler, Gardening, Nursery and Bungalows.
- High Story buildings & complexes.
- Ornamental fountains.
- Small farms.
- Industrial water supply schemes.

Standard Specifications:

- Suitable for 75/100 mm or bigger borewell.
- **Range :** 75mm - 0.37 to 0.75kW (0.5-1.0 Hp)
100mm - 0.37 to 1.1kW (0.5-1.5 Hp) in single & 3 phase
- **Max outer dia :** 72 mm & 96.5 mm
- **Speed :** 3000 rpm (Syn.)
- **Total head range:** 75mm- upto 78 Metres, 100mm-Upto 211 Metres
- **Capacity:** 75mm - Upto 50 lpm, 100mm - Upto 140 lpm. Discharge outlet size - 32 mm to 50 mm
- **Liquid:** Clear water
- Motor squirrel cage water filled electric motor for 225 Volts, 50 Hz, AC for 1 Phase.
- **Voltage Band :** 180 to 240 Volts for 1 Phase and 350 to 440 Volts for 3 Phase

Crompton Greaves offers a wide range of Submersible Pumpsets suitable for 75mm & 100mm borewell. Crompton Greaves Submersible Pumpsets are specially designed, with the use of latest manufacturing techniques, to meet the water requirements of the different needs in Domestic & Agriculture use.

3W & 4W SERIES

75mm & 100mm SUBMERSIBLE PUMPSETS

Performance Chart for 75 mm BOREWELL SUBMERSIBLE Pumpset at 230 volts, 50 Hz AC Supply

Rating	No. of Stages	Motor kW (HP)	Outlet size in mm	DISCHARGE IN LPM									
				10	20	30	40	50	60	70	75	90	
				TOTAL HEAD IN METRES									
3W10A0.5	10	0.37	(0.5)	25	28	36	23	19	13				
3W12A0.5	12	0.37	(0.5)	25	33	31	27	22	15				
3W14A0.5	14	0.37	(0.5)	25	39	36	32	26	18				
3W6B0.5	6	0.37	(0.5)	32	31		26	24	21	18		12	6
3W8J0.5	8	0.37	(0.5)	25	42	40	36	30	21				
3W14J0.75	14	0.55	(0.75)	25	63	60	54	45	33				
3W16A0.75	16	0.55	(0.75)	25	45	41	37	30	21				
3W9B0.75	9	0.55	(0.75)	32	46		40	36	32	37		18	9
3W12B1	12	0.75	(1.0)	32	62		52	48	42	36		24	12
3W16J1	16	0.75	(1.0)	25	78	74	72	70	51				
3W18J1	18	0.75	(1.0)	25	87	85	76	64	49				
				DISCHARGE IN LPM									
				90	84	72	60	48	36	24			
				TOTAL HEAD IN METRES									
3W10B1	10	0.75	(1.0)	32	11	16	26	32	37	40	42		

Performance Chart for 100 mm BOREWELL SUBMERSIBLE Pumpset at 230 volts, 50 Hz AC Supply

'4W-K' SERIES													
Rating	No. of Stages	Motor kW (HP)		Outlet Size in mm	DISCHARGE IN LPM								
					10	15	20	25	30	35	40		
					TOTAL HEAD IN METRES								
4W6K0.5J	6	0.37	(0.5)	32	41	38	35	32	29	26	21		
4W7K0.5J	7	0.37	(0.5)	32	47	44	41	38	34	30	25		
4W8K0.5J	8	0.37	(0.5)	32	54	50	47	43	39	34	29		
4W9K0.75J	9	0.55	(0.75)	32	61	56	52	48	43	38	32		
4W10K0.75J	10	0.55	(0.75)	32	68	63	58	54	48	43	36		
4W11K0.75J	11	0.55	(0.75)	32	74	69	64	59	53	47	39		
4W9K1J	9	0.75	(1.0)	32	63	59	55	51	47	41	35		
4W11K1J	11	0.75	(1.0)	32	78	73	68	63	57	50	43		
4W14K1J	14	0.75	(1.0)	32	95	88	81	75	67	60	50		
4W16K1J	16	0.75	(1.0)	32	108	100	93	86	77	68	57		
4W18K1.5J	18	1.13	(1.5)	32	121	112	105	97	87	76	64		
4W20K1.5J	20	1.13	(1.5)	32	134	124	117	108	97	84	71		

Note : Performance figure given above are approximate and may differ on site conditions.

3W & 4W SERIES

75mm & 100mm SUBMERSIBLE PUMPSETS

Performance Chart for 100 mm BOREWELL SUBMERSIBLE Pumpset at 230 volts, 50 Hz AC Supply

'4W-B', '4W-C', '4W-G', '4W-H' SERIES

Rating	No. of Stages	Motor kW (HP)		Outlet Size in mm	DISCHARGE IN LPM																	
					0	10	15	20	25	30	35	40	50	60	70	80	90	100	110	120	130	140
					TOTAL HEAD IN METRES																	
4W4B0.5J	4	0.37	(0.5)	40	31			27		26		24	23	21	19	17	14	11				
4W5B0.75J	5	0.55	(0.75)	40	39			34		32		30	28	27	24	21	18	14				
4W6B0.75J	6	0.55	(0.75)	40	47			40		38		36	34	32	28	25	21	16				
4W7B0.75J	7	0.55	(0.75)	40	55			47		35		42	39	38	33	29	25	18				
4W8B1J	8	0.75	(1.0)	40	63			54		51		48	45	42	38	33	28	22				
4W9B1.5J	9	1.13	(1.5)	32		73		63		60		57	54	51	47	41	35	26				
4W10B1.5J 4W10B1.5TPJ	10	1.13	(1.5)	40	78			67		64		60	56	53	47	42	35	27				
4W12B1.5J 4W12B1.5TPJ	12	1.13	(1.5)	40	94			81		77		72	68	63	56	50	42	33				
4W6C1J	6	0.75	(1.0)	40	40					36			35	34	33	31	29	26	24	20	17	14
4W7C1J/ 4W7C1TPJ	7	0.75	(1.0)	40	47					42		41	40	39	37	35	33	30	28	23	20	16
4W9C1.5J/ 4W9C1.5TPJ	9	1.13	(1.5)	40	60					54		53	52.5	51	48	46	43	39	36	30	26	21
4W10C1.5J/ 4W10C1.5TPJ	10	1.13	(1.5)	40	67					61		60	58	56	53	51	48	44	40	33	29	23
4W8G0.5	8	0.37	(0.5)	32	48	44		40		36		30	25	18	11							
4W12G0.75	12	0.55	(0.75)	32	72	65		60		54		46	37	28	16							
4W12G1	12	0.75	(1.0)	32	74	70		62		56		50	39	30	18							
4W14G1	14	0.75	(1.0)	32	84	76		70		63		53	43	32	19							
4W16G1/ 4W16G1TP	16	0.75	(1.0)	32	96	87		80		72		61	50	37	22							
4W19G1.5	19	1.1	(1.5)	32	114	103		95		85		72	59	44	26							
4W22G1.5	22	1.13	(1.5)	32	116	112		94		84		71	60	47	30							
4W6H0.5	6	0.37	(0.5)	32	37					32		31	28	25	22	19	15					
4W9H1	9	0.75	(1.0)	32	56					48		47	43	38	34	28	22					
4W10H1	10	0.75	(1.0)	32	62					53		51	47	43	38	31	25					
4W12H1.5	12	1.13	(1.5)	32	75					63		59	55	51	46	37	31					
4W15H1.5	15	1.13	(1.5)	32	93					79		75	70	64	56	47	38					

Performance Chart for 100 mm BOREWELL SUBMERSIBLE Pumpset at 230 volts, 50 Hz AC Supply

'4W-L' SERIES										
Rating	No. of Stages	Motor kW (HP)		Outlet Size in mm	DISCHARGE IN LPM					
					10	20	30	40	50	60
					TOTAL HEAD IN METRES					
4W10L0.75	10	0.55	(0.75)	40	61	56	49	40	30	20
4W14L1/ 4W14L1TP	14	0.75	(1.0)	40	86	78	69	56	42	29
4W18L1.5/ 4W18L1.5TP	18	1.1	(1.5)	40	111	101	88	72	54	37
4W21L1.5/ 4W21L1.5TP	22	1.1	(1.5)	40	129	118	103	84	63	43

Note : Performance figure given above are approximate and may differ on site conditions.

Crompton Greaves Limited

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