

SUBMERSIBLE PUMPSETS SUITABLE FOR 75mm & 100mm BOREWELL



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.

FEATURES

Motor :

- Motor suitable for wide voltage 160/240 V for 1 Ph and 350/440 for 3 Phase
- 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 Volt.
- 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 and Nursery.
- 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 - 0.37-0.75kW (0.5-1.0 Hp)
100mm - 1P-0.25-2.2kW (0.33-3.0Hp)
3P-0.37-3.7kW (0.5-5.0 Hp)
- **Supply :** 225 Volts, 50Hz for 1 Phase and 415 Volts, 50 Hz for 3 Phase AC
- **Speed :** 2800 rpm (Syn.)
- **Total head range -**
75mm- upto 78 Metres.
100mm-Upto 233 Metres
- **Capacity -** 75mm - Upto 50 lpm
100mm - Upto 330 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 and 415 Volts, 50 Hz, AC for 3 Phase supply

PERFORMANCE CHART FOR 75 mm BOREWELL SUBMERSIBLE PUMPSET

Rating	No. of Stages	Motor kW (HP)	Outlet size in mm	DISCHARGE IN LPM						
				10	20	30	40	50		
				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		
3W16A0.75	16	0.55 (0.75)	25	45	41	37	30	21		
3W18A0.75	18	0.55 (0.75)	25	50	46	41	33	23		
3W20A0.75	20	0.55 (0.75)	25	56	51	46	37	26		
3W21A0.75	21	0.55 (0.75)	25	59	54	48	39	27		
3W22A1	22	0.75 (1.0)	25	61	57	50	41	28		
3W24A1	24	0.75 (1.0)	25	67	62	55	45	31		
3W26A1	26	0.75 (1.0)	25	72	67	59	48	33		
3W28A1	28	0.75 (1.0)	25	78	72	64	52	36		
				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
4W Mixed Flow Series**

Rating	No. of Stages	Motor kW (HP)	Outlet Size in mm	DISCHARGE IN LPM				
				50	70	90	110	130
				TOTAL HEAD IN METRES				
4W18D3/ 4W18D3TP	18	2.2(3.0)	40	98	90	79	65	47
4W30D5TP	30	3.7(5.0)	40	162	150	132	108	78

Rating	No. of Stages	Motor kW (HP)	Outlet Size in mm	DISCHARGE IN LPM						
				150	180	210	240	270	300	330
				TOTAL HEAD IN METRES						
4W6F2/ 4W6F2TP	6	1.5(2.0)	50	21	20	18	15	12	9	5
4W9F3/ 4W9F3TP	9	2.2(3.0)	50	32	30	27	23	18	13	7
4W14F5TP	14	3.7(5.0)	50	50	47	42	36	28	20	11

Rating	No. of Stages	Motor kW (HP)	Outlet Size in mm	DISCHARGE IN LPM						
				50	80	110	140	170	200	230
				TOTAL HEAD IN METRES						
4W15E3/ 4W15E3TP	15	2.2(3.0)	50	74	64	54	42	32	20	
4W25E5TP	25	3.7(5.0)	50	123	106	91	72	53	33	10

'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
4W26L2/ 4W26L2TP	26	1.5(2.0)	40	160	146	127	104	78	53
4W27L2/ 4W27L2TP	27	1.5(2.0)	40	166	151	132	108	81	55
4W32L3/ 4W32L3TP	32	2.2(3.0)	40	197	179	157	128	96	66
4W36L3/ 4W36L3TP	36	2.2(3.0)	40	221	202	176	144	108	74
4W38L3/ 4W38L3TP	38	2.2(3.0)	40	233	213	186	152	114	78

'4W-K' SERIES

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						
4W3K0.33	3	0.25 (0.33)	32	20	19	17	16	14	13	11
4W4K0.33	4	0.25 (0.33)	32	27	25	23	22	19	17	14
4W5K0.33	5	0.25 (0.33)	32	34	31	29	27	24	21	18
4W6K0.5	6	0.37 (0.5)	32	41	38	35	32	29	26	21
4W7K0.5	7	0.37 (0.5)	32	47	44	41	38	34	30	25
4W8K0.5	8	0.37 (0.5)	32	54	50	47	43	39	34	29
4W9K0.75	9	0.55 (0.75)	32	61	56	52	48	43	38	32
4W10K0.75	10	0.55 (0.75)	32	68	63	58	54	48	43	36
4W11K0.75	11	0.55 (0.75)	32	74	69	64	59	53	47	39
4W14K1	14	0.75 (1.0)	32	95	88	81	75	67	60	50
4W16K1	16	0.75 (1.0)	32	108	100	93	86	77	68	57
4W18K1.5	18	1.13 (1.5)	32	121	112	105	97	87	76	64
4W20K1.5	20	1.13 (1.5)	32	134	124	117	108	97	84	71
4W22K2	22	2.25 (3.0)	32	149	138	128	118	106	94	78

'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																		
4W4B0.5	4	0.37 (0.5)	40	31			27		26		24	23	21	19	17	14	11					
4W5B0.75	5	0.55 (0.75)	40	39			34		32		30	28	27	24	21	18	14					
4W6B0.75	6	0.55 (0.75)	40	47			40		38		36	34	32	28	25	21	16					
4W7B0.75	7	0.55 (0.75)	40	55			47		35		42	39	38	33	29	25	18					
4W8B1	8	0.75 (1.0)	40	63			54		51		48	45	42	38	33	28	22					
4W9B1	9	0.75 (1.0)	40	70			60		57		54	51	48	43	38	32	24					
4W10B1.5	10	1.13 (1.5)	40	78			67		64		60	56	53	47	42	35	27					
4W10B1.5TP																						
4W12B1.5	12	1.13 (1.5)	40	94			81		77		72	68	63	56	50	42	33					
4W12B1.5TP																						
4W14B2	14	1.5 (2.0)	40	109			94		90		85	79	72	65	58	49	39					
4W15B2/	15	1.5 (2.0)	40	117			101		96		90	85	78	71	63	52	41					
4W15B2TP																						
4W17B2	17	1.5 (2.0)	40	131			115		109		102	96	89	81	71	60	46					
4W19B3	19	2.2 (3.0)	40	145			129		122		114	108	100	89	79	67	52					
4W22B3	22	2.2 (3.0)	40	164			148		140		132	125	116	104	92	77	60					
4W3C0.5	3	0.37 (0.5)	40	20					18				17	16	15	14	13	12	10	8	7	
4W4C0.75	4	0.55 (0.75)	40	27					24				23	22	21	19	17	16	13	11	9	
4W5C0.75	5	0.55 (0.75)	40	34					30			29	28	27	25	24	22	20	17	14	12	
4W6C1	6	0.75 (1.0)	40	40					36			35	34	33	31	29	26	24	20	17	14	
4W7C1/	7	0.75 (1.0)	40	47					42		41	40	39	37	35	33	30	28	23	20	16	
4W7C1TP																						
4W9C1.5/	9	1.13 (1.5)	40	60					54		53	52.5	51	48	46	43	39	36	30	26	21	
4W9C1.5TP																						
4W10C1.5/	10	1.13 (1.5)	40	67					61		60	58	56	53	51	48	44	40	33	29	23	
4W10C1.5TP																						
4W10C2	10	1.13 (1.5)	40	67					61		60	58	57	55	52	48	44	40	35	29	23	
4W12C2/	12	1.5 (2.0)	40	80					73		72	70	68	65	61	58	53	48	41	35	28	
4W12C2TP																						
4W13C2	13	1.5 (2.0)	40	87					79		77	75	73	69	66	62	57	52	45	37	30	
4W14C2/	14	1.5 (2.0)	40	94					85		83	80	78	74	71	67	62	56	49	40	32	
4W14C2TP																						
4W16C3	16	2.2 (3.0)	40	103					98		96	93	91	88	83	77	70	61	54	45	37	
4W18C3	18	2.2 (3.0)	40	115					110		108	106	103	99	93	86	79	69	61	51	41	
4W6G0.5	6	0.37 (0.5)	32	36	33		30		27		23	19	14	8								
4W7G0.5	7	0.37 (0.5)	32	42	38		35		31		27	22	16	9								
4W8G0.5	8	0.37 (0.5)	32	48	44		40		36		30	25	18	11								
4W10G0.75	10	0.55 (0.75)	32	60	54		50		45		38	31	23	14								
4W11G0.75	11	0.55 (0.75)	32	66	60		55		49		42	34	25	15								
4W12G0.75	12	0.55 (0.75)	32	72	65		60		54		46	37	28	16								
4W14G1	14	0.75 (1.0)	32	84	76		70		63		53	43	32	19								
4W16G1/	16	0.75 (1.0)	32	96	87		80		72		61	50	37	22								
4W16G1TP																						
4W19G1	19	0.75 (1.0)	32	114	103		95		85		72	59	44	26								
4W22G1.5	22	1.13 (1.5)	32	132	116		108		98		86	68	51	30								
4W24G2/	24	1.5 (2.0)	32	144	136		125		108		91	74	55	32								
4W24G2TP																						
4W27G2	27	1.5 (2.0)	32	160	146	135	121	103	84	62	37											
4W29G2	29	1.5 (2.0)	32	173	157	145	130	111	90	67	40											
4W34G3	34	2.2 (3.0)	32	200	184	170	152	130	106	78	47											
4W36G3	36	2.2 (3.0)	32	211	195	180	161	137	112	83	49											
4W5H0.5	5	0.37 (0.5)	32	31					26		25	23	21	19	16	13						
4W6H0.5	6	0.37 (0.5)	32	37					32		31	28	25	22	19	15						
4W7H0.75	7	0.55 (0.75)	32	43					37		35	33	30	26	22	18						
4W8H0.75	8	0.55 (0.75)	32	50					43		41	38	34	30	25	20						
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						
4W18H2	18	1.5 (2.0)	32	112					95		91	85	75	66	57	45						
4W19H2	19	1.5 (2.0)	32	118					100		96	89	80	70	60	48						

OIL FILLED '40' SERIES

Rating	No. of Stages	Motor kW (HP)	Outlet Size in mm	DISCHARGE IN LPM																
				10	15	20	25	30	35	40	50	60	70	80	90	100	110	120	130	140
				TOTAL HEAD IN METRES																
406K0.5	6	0.37 (0.5)	32	41	38	35	32	29	26	21										
407K0.5	7	0.37 (0.5)	32	47	44	41	38	34	30	25										
408K0.5	8	0.37 (0.5)	32	54	50	47	43	39	34	29										
409K0.75	9	0.55 (0.75)	32	61	56	52	48	43	38	32										
4010K0.75	10	0.55 (0.75)	32	68	63	58	54	48	43	36										
4011K0.75	11	0.55 (0.75)	32	74	69	64	59	53	47	39										
4014K1	14	0.75 (1.0)	32	95	88	81	75	67	60	50										
4016K1	16	0.75 (1.0)	32	108	100	93	86	77	68	57										
4018K1.5	18	1.13 (1.5)	32	121	112	105	97	87	76	64										
4020K1.5	20	1.13 (1.5)	32	134	124	117	108	97	84	71										
404B0.5	4	0.37 (0.5)	40			27				24	23	21		17	14	11				
405B0.75	5	0.55 (0.75)	40			34				30	28	27		21	18	14				
406B0.75	6	0.55 (0.75)	40			40				36	34	32		25	21	16				
407B0.75	7	0.55 (0.75)	40			47				42	39	38		29	25	18				
408B1	8	0.75 (1.0)	40			54				48	45	42		33	28	22				
409B1	9	0.75 (1.0)	40			60				54	51	48		38	32	24				
4010B1.5	10	1.13 (1.5)	40			67				60	56	53		42	35	27				
4012B1.5	12	1.13 (1.5)	40			81				72	68	63		50	42	33				
403C0.5	3	0.37 (0.5)	40					18				17			14	13	12	10		7
404C0.75	4	0.55 (0.75)	40					24				23			19	17	16	13		9
405C0.75	5	0.55 (0.75)	40					30				28			24	22	20	17		12
406C1	6	0.75 (1.0)	40					36				34			29	26	24	20		14
407C1	7	0.75 (1.0)	40					42				39			33	30	28	23		16
409C1.5	9	1.13 (1.5)	40					54				51			43	39	36	30		21
4010C1.5	10	1.13 (1.5)	40					61				56			48	44	40	33		23
406G0.5	6	0.37 (0.5)	32	33		30		27		23	19	14	8							
407G0.5	7	0.37 (0.5)	32	38		35		31		27	22	16	9							
408G0.5	8	0.37 (0.5)	32	44		40		36		30	25	18	11							
4010G0.75	10	0.55 (0.75)	32	54		50		45		38	31	23	14							
4011G0.75	11	0.55 (0.75)	32	60		55		49		42	34	25	15							
4012G0.75	12	0.55 (0.75)	32	65		60		54		46	37	28	16							
4014G1	14	0.75 (1.0)	32	76		70		63		53	43	32	19							
4016G1	16	0.75 (1.0)	32	87		80		72		61	50	37	22							
4019G1	19	0.75 (1.0)	32	103		95		85		72	59	44	26							
4022G1.5	22	1.13 (1.5)	32	116		108		98		86	68	51	30							
4024G2	24	1.5 (2.0)	32	136		125		108		91	74	55	32							
405H0.5	5	0.37 (0.5)	32					26		25	23	21	19	16	13					
406H0.5	6	0.37 (0.5)	32					32		31	28	25	22	19	15					
407H0.75	7	0.55 (0.75)	32					37		35	33	30	26	22	18					
408H0.75	8	0.55 (0.75)	32					43		41	38	34	30	25	20					
409H1	9	0.75 (1.0)	32					48		47	43	38	34	28	22					
4010H1	10	0.75 (1.0)	32					53		51	47	43	38	31	25					
4015H1.5	15	1.13 (1.5)	32					79		75	70	64	56	47	38					

CONTROL PANEL SUITABLE FOR 75 mm / 80 mm / 100 mm SUBMERSIBLE PUMPSET

RATING	HP	START CAP	RUN CAP	SUITABLE FOR
LCP05	0.5	40/60	36	All 3" & 4"
LCP075	0.75	60/80	50	
LCP1	1.0	80/100	72	
LCP1.5	1.5	100/120	100	
LCP2	2.0	120/150	125	
LCP3	3.0	150/200	125	
NCP05	0.50	---	36	4W/40 Series
NCP075	0.75	---	50	
NCP1.1A@	1.10	---	50	
NCP1	1.00	---	72	
NCP1.1*	1.10	---	72	
NCP15	1.50	---	100	
@ 1.1 HP for 0.75 HP ratings				
* 1.1 HP for 1.0 HP ratings				