



Smart solutions.
Strong relationships.

PRODUCT EXPLORER AGRO SECTOR



**OPENWELL SUBMERSIBLE
MONOSET PUMPS SHO-AQ SERIES**



**OPENWELL SUBMERSIBLE
MONOSET PUMPS OW SERIES**



**OPENWELL SUBMERSIBLE
MONOSET PUMPS SHO-AM/SWD SERIES**



**CENTRIFUGAL MONOSET PUMPS
MB SERIES**



**CENTRIFUGAL MONOSET PUMPS
MBG SERIES**



BOREWELL SUBMERSIBLE PUMPSETS



100W SERIES



'MA' SERIES SINGLE PHASE



DIESEL ENGINE

PUMPS : AN OVERVIEW

Crompton Greaves Ltd, is the leading manufacturer of all types of pumps suitable for handling water, finding applications in Agricultural, Domestic and Industrial Sectors.

Pumps manufactured by CG are customer friendly and are very reliable. CG has an ever increasing range of energy efficient pumps.

Today **Crompton Greaves Ltd** is the only company having a wide product range of more than 2000 varied pump models catering to different areas of application i.e. Domestic, Agriculture & Industrial under one roof.

Our product range broadly covers :

Submersible pump sets: Suitable for Open well and Borewell ranging from diameter 75mm to 250 mm

Panels: Suitable for Open well and Borewell pumps upto 250 mm diameter

Cables: Submersible cables up to 6 sq mm

Surface mounted pumps : Monosets in self-priming and non-self priming and coupled pump set in self priming

Horizontal Split case pumps

End Suction Pumps in accordance with DIN 24255

Jet Pumps : Shallow well, Multi stage, Twin Type and Packer Type

Diesel engine driven Pump sets

Non Clog Dewatering Self priming pumps in bare shaft, monosets and coupled

With a view to augment our manufacturing capabilities we have set up a large state of the art manufacturing plant, at MIDC Ahmednagar, complete with computerized testing facilities and adherence to latest quality standards to meet the varied needs of customers

The company has more than 300 models in the 4 star and 5 star category duly approved by the Bureau of Energy Efficiency a nodal agency under the Ministry of Power to serve varied needs in Agriculture and Industries.



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Facilities at Pumps Division



Manufacturing Plant, Ahmednagar



Type Testing Plant



Training Centre



Name Plate Punching Machine



Quality Assurance



Impeller Dynamic Balancing

100 MM SUBMERSIBLE PUMPS



Standard Specifications:

- **Range :** 3 HP (2.2KW) in 1 Ph, 3 HP to 6.0 HP (2.2KW to 4.5KW) in 3Ph
- **Max outer dia :** 96.5 mm
- **Speed :** 3000 rpm (Syn.)
- **Voltage Band :** 180/240V for 1Ph and 350/440V for 3 Ph
- **Liquid :** Clear water

FEATURES

Motor :

- 3000 RPM (Syn) speed.
- Rewindable
- Dynamically balanced rotor - Vibration free, Longer life & better efficiency.
- Totally enclosed, water filled, squirrel cage induction motor.
- Stainless steel stator body - Rust preventive.
- Stainless steel rotor shaft - Rust preventive.
- Water lubricated specially designed thrust bearing
- PVC insulated copper winding wire with insulation class - B

Pump :

- Pump available in radial flow design
- Jacketed type construction - Ease in Assembly & dismantling
- Suction and discharge outlets are made of cast iron
- 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 Storey buildings & complexes.
- Ornamental fountains.
- Small farms.
- Industrial water supply schemes.

Performance chart for 100W Series - Waterfilled Pumps

Rating	No of Stages	Motor		Outlet Size in MM	Discharge in LPM							
		KW	HP		0	70	85	110	120	130	140	150
					Total Head in Metres							
100W12RA3	12	2.20	3.00	38	80	72	64	62	58	54	46	40
100W15RA3	15	2.20	3.00	38	100	90	80	78	73	68	58	50
100W25RA5	25	3.70	5.00	38	167	150	133	129	121	113	96	83
100W12RA3TP	12	2.20	3.00	38	80	72	64	62	58	54	46	40
100W15RA3TP	15	2.20	3.00	38	100	90	80	78	73	68	58	50
100W25RA5TP	25	3.70	5.00	38	167	150	133	129	121	113	96	83
100W31RA6TP	31	4.50	6.00	38	207	186	165	160	150	140	119	103

Rating	No of Stages	Motor		Outlet Size in MM	Discharge in LPM					
		KW	HP		0	54	84	98	114	120
					Total Head in Metres					
100W18RB3	18	2.20	3.00	38	104	90	77	68	56	50
100W22RB3	22	2.20	3.00	38	127	110	94	83	70	61
100W18RB3TP	18	2.20	3.00	38	104	90	77	68	56	50
100W22RB3TP	22	2.20	3.00	38	127	110	94	83	70	61

Rating	No of Stages	Motor		Outlet Size in MM	Discharge in LPM						
		KW	HP		0	200	215	255	316	370	420
					Total Head in Metres						
100W8RQ3	8	2.20	3.00	50	46	35	32	29	27	24	19
100W8RQ3TP	8	2.20	3.00	50	46	35	32	29	27	24	19

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

Rating	No of Stages	Motor		Outlet Size in MM	Discharge in LPM								
		KW	HP		0	34	40	42	50	57	65	72	86
					Total Head in Metres								
1000W18RH3	18	2.20	3.00	32	144	127	126	123	116	106	95	82	47
100W21RH3	21	2.20	3.00	32	168	148	147	144	135	124	111	96	55
100W30RH3	30	2.20	3.00	32	240	200	198	197	184	170	153	132	80
1000W18RH3TP	18	2.20	3.00	32	144	127	126	123	116	106	95	82	47
100W21RH3TP	21	2.20	3.00	32	168	148	147	144	135	124	111	96	55
100W24RH3TP	24	2.20	3.00	32	192	169	168	165	154	142	127	110	63
100W30RH3TP	30	2.20	3.00	32	240	200	198	197	184	170	153	132	80
100W40RH5TP	40	3.70	5.00	32	320	267	264	263	245	227	204	176	107

Rating	No of Stages	Motor		Outlet Size in MM	Discharge in LPM							
		KW	HP		0	110	160	190	220	250		
					Total Head in Metres							
100W10RP3	10	2.20	3.00	50	66	55	45	35	30	17		
100W12RP3	12	2.20	3.00	50	79	66	54	42	36	20		
100W10RP3TP	10	2.20	3.00	50	66	55	45	35	30	17		
100W12RP3TP	12	2.20	3.00	50	79	66	54	42	36	20		
100W16RP5TP	16	3.70	5.00	50	106	88	72	56	48	27		

Rating	No of Stages	Motor		Outlet Size in MM	Discharge in LPM								
		KW	HP		0	120	200	250	300	350	400	450	500
					Total Head in Metres								
100W6RS3	6	2.20	3.00	65	37	33	30	27	24	21	18	15	12
100W7RS3	7	2.20	3.00	65	37	33	30	27	24	21	18	15	12
100W6RS3TP	6	2.20	3.00	65	37	33	30	27	24	21	18	15	12
100W7RS3TP	7	2.20	3.00	65	37	33	30	27	24	21	18	15	12

Performance chart for 4VO Series - Oilfilled Pumps

Rating	No of Stages	Motor		Outlet Size in MM	Discharge in LPM								
		KW	HP		0	30	35	45	50	60	65	80	
					Total Head in Metres								
4VO30RH3	30	2.20	3.00	32	240	200	190	175	160	140	115	70	

Rating	No of Stages	Motor		Outlet Size in MM	Discharge in LPM								
		KW	HP		0	120	200	250	300	350	400	450	500
					Total Head in Metres								
4VO6RS3	6	2.20	3.00	65	37	33	30	27	24	21	18	15	12
4VO6RS3TP	6	2.20	3.00	65	37	33	30	27	24	21	18	15	12
4VO7RS3	7	2.20	3.00	65	43	39	35	32	28	25	21	18	14
4VO7RS3TP	7	2.20	3.00	65	43	39	35	32	28	25	21	18	14

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

Performance chart for 4W Series - Waterfilled Pumps

'4W-B', '4W-C', '4W-D' SERIES

Rating	No. of Stages	Motor		Outlet Size in mm	Discharge in LPM																	
		KW	HP		0	10	15	20	25	30	35	40	50	60	70	80	90	100	110	120	130	140
					Total Head in Metres																	
4W17B3J	17	2.2	3.0	40	145				129	122		114	108	100	89	79	67	52				
4W19B3J	19	2.2	3.0	40	164				148	140		132	125	116	104	92	77	60				
4W40B5TPJ	40	3.7	5.0	40			261.5		243.5	238.5		223.5	209.5	189.5	161.5	133.5	101.5	65.5				
4W48B5TPJ	48	3.7	5.0	40			307.5		299.5	281.5		271.5	243.5	221.5	191.5	161.5	127.5	83.5				
4W16C3J	16	2.2	3.0	40	103					98		96	93	91	88	83	77	70	61	54	45	37
4W17C3J	17	2.2	3.0	40	115					110		108	106	103	99	93	86	79	69	61	51	41
4W17D3J	17	2.2	3.0	40									98		90		79		65		47	
4W17D3TPJ	17	2.2	3.0	40									98		90		79		65		47	
4W30D5TPJ	30	3.7	5.0	40										162		150		132		108		78

'4W-L' SERIES

Rating	No. of Stages	Motor		Outlet Size in mm	Discharge in LPM						
		KW	HP		10	20	30	40	50	60	
					Total Head in Metres						
4W30L3J	30	2.2	3.0	40	197	179	157	128	96	66	
4W30L3TPJ	30	2.2	3.0	40	197	179	157	128	96	66	
4W34L3J	34	2.2	3.0	40	221	202	176	144	108	74	
4W34L3TPJ	34	2.2	3.0	40	221	202	176	144	108	74	
4W35L3J	35	2.2	3.0	40	233	213	186	152	114	78	
4W35L3TPJ	35	2.2	3.0	40	233	213	186	152	114	78	

'4W-E' SERIES

Rating	No. of Stages	Motor		Outlet Size in mm	Discharge in LPM						
		KW	HP		50	80	110	140	170	200	230
					Total Head in Metres						
4W15E3J	15	2.2	3.0	50	74	64	54	42	32	20	
4W15E3TPJ	15	2.2	3.0	50	74	64	54	42	32	20	
4W25E5TPJ	25	3.7	3.0	50	123	106	91	72	53	33	10

'4W-F' SERIES

Rating	No. of Stages	Motor		Outlet Size in mm	Discharge in LPM							
		KW	HP		150	180	210	240	270	300	330	
					Total Head in Metres							
4W7F3J	7	2.2	3.0	50	32	30	27	23	18	13	7	
4W7F3TPJ	7	2.2	3.0	50	32	30	27	23	18	13	7	
4W12F5TPJ	12	3.7	5.0	50	50	47	42	36	28	20	11	

'4W-G' SERIES

Rating	No. of Stages	Motor		Outlet Size in mm	Discharge in LPM									
		KW	HP		0	10	15	20	25	30	35	40	50	
					Total Head in Metres									
4W30G3J	30	2.2	3.0	32	200	184	170	152	130	106	78	47		
4W30G3TPJ	30	2.2	3.0	32	200	184	170	152	130	106	78	47		
4W32G3J	32	2.2	3.0	32	211	180	161	137	112	83	49			
4W32G3TPJ	32	2.2	3.0	32	211	180	161	137	112	83	49			

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

100 MM STAINLESS STEEL BOREWELL PUMPSETS



FEATURES

Salient Features for Pump

- Abrasion & corrosion-resistant construction due to most of the M.O.C. is of Stainless steel gr. AISI304, inside out.
- State-of-the-art hydraulics provide 40% high efficiency than nominal efficiency declared by BIS, thus very low operating costs.
- Resistance to wear caused by sand and other abrasives. The ABS made wear rings with high quality NBR made wipers, combined with the floating impellers, ensures optimum resistance to abrasion.
- The lower suction housing is made of precision-cast stainless steel, ensuring resistance to corrosion, durability and a sturdy coupling to the motor.
- The hexagonal pump shaft guarantees an effective impeller driving and higher strength against radial load.
- A stainless steel non-return valve is fitted in the discharge to prevent any back flow of water and alleviate any water hammer to the pump, thus safeguarding impellers and diffusers.
- Octagonal bearings and sand flush channels remove particles with the pumped water
- In-built strainer to prevent entry of any particles along with with water at suction end.
- Negligible maintenance cost even after years of operations. All CTQ components are machined on very precise CNC machines for years of commissioning with lowest maintenance.
- Best aesthetics among all other similar products available in market.
- Major raw material is steel only so no more fluctuations in cost of the pump.

Salient Features for Motor

- Suitable in wide voltage variation with greater performance even in low voltage.
- Stampings are used of high quality electric grade for better efficiency.
- Winding wire with high quality insulation to avoid chance of winding burn even in low or high voltage working.
- Whole range is with EC grade Copper brazed rotor having chrome plating for years of trouble free commissioning.
- Fully Stainless steel shaft hence no chance of corrosion.
- Shaft & bushes are having mirror surface finish up to 0.1Ra value, achieved by auto burnishing machine for very long life & vibration free running.
- Very low maintenance due to high quality carbon Vs steel combination of thrust bearing with leaded tin bronze made bush bearing.
- Stator with body are varnished by Vacuum impregnated plant and baked in elec.oven to avoid corrosion and better efficiency life long.
- All rotating parts are dynamically balanced for low vibration and longer bush bearing life.
- All fasteners are used of stainless steel only for easy maintenance & very long life.
- All components are machined on CNC machines with very close tolerances which reduces noise, vibrations, wearing, current, heat ultimately increases product life.
- Better outer aesthetics with durable paint protection.
- Easily rewind able motor and fast maintenance with easily interchangeable spare parts.
- Higher efficiency which gives result into high water discharge at low power consumption.

Standard Specification

- Range : 2.2 KW to 5.5 KW (3 HP to 7.5 HP)
- Speed : 3000 (Syn.)
- Total Head Range: Upto 405 M.
- Total Discharge Range : Upto 100 LPM
- Motor: Squirrel cage water filled electric motor for 220 Volts for 1PH and 415 Volts for 3PH, 50 Hz, AC Supply
- Voltage Band: 180 to 240 Volts for 1PH and 350 to 440 Volts for 3PH

Applications

- Irrigation and Drip Irrigation.
- Sprinkler, Gardening, Nursery and Bungalows.
- High Storey buildings and Complexes.
- Industrial water supply schemes

PERFORMANCE CHART FOR SS V-4 SUBMERSIBLE PUMPSET SUITABLE FOR 100MM BOREWEL - 1 PHASE

Rating	MOTOR RATING		No. of STAGE	OUTLET (mm)	PH	DISCHARGE IN LPM							
	KW	H.P.				0	13	25	34	42	51	59	64
						HEAD IN METERS							
4CSSF3-3045	2.2	3.0	45	32	1	261	243	225	202.5	180	135	90	45
4CSSF3-3050	2.2	3.0	50	32	1	290	270	250	225	200	150	100	50
4CSSF3-4060	3.0	4.0	60	32	1	348	324	300	270	240	180	120	60

Rating	MOTOR RATING		No. of STAGE	OUTLET (mm)	PH	DISCHARGE IN LPM							
	KW	H.P.				0	22	40	60	70	80	90	100
						HEAD IN METERS							
4CSSF5-3030	2.2	3.0	30	40	1	180	165	150	135	120	90	60	30
4CSSF5-3036	2.2	3.0	36	40	1	216	198	180	162	144	108	72	36
4CSSF5-4040	3.0	4.0	40	40	1	232	216	200	180	160	120	80	40
4CSSF5-4046	3.0	4.0	46	40	1	267	248	230	207	184	138	92	46

PERFORMANCE CHART FOR SS V-4 SUBMERSIBLE PUMPSET SUITABLE FOR 100MM BOREWEL - 3 PHASE

Rating	MOTOR RATING		No. of STAGE	OUTLET (mm)	PH	DISCHARGE IN LPM							
	KW	H.P.				0	13	25	34	42	51	59	64
						HEAD IN METERS							
4CSSF3-3045	2.2	3.0	45	32	3	261	243	225	202.5	180	135	90	45
4CSSF3-3050	2.2	3.0	50	32	3	290	270	250	225	200	150	100	50
4CSSF3-4060	3.0	4.0	60	32	3	348	324	300	270	240	180	120	60
4CSSF3-5075	3.7	5.0	75	32	3	435	405	375	337	300	225	150	75

Rating	MOTOR RATING		No. of STAGE	OUTLET (mm)	PH	DISCHARGE IN LPM							
	KW	H.P.				0	22	40	60	70	80	90	100
						HEAD IN METERS							
4CSSF5-3030	2.2	3.0	30	40	3	180	165	150	135	120	90	60	30
4CSSF5-3036	2.2	3.0	36	40	3	216	198	180	162	144	108	72	36
4CSSF5-4040	3.0	4.0	40	40	3	232	216	200	180	160	120	80	40
4CSSF5-4046	3.0	4.0	46	40	3	267	248	230	207	184	138	92	46
4CSSF5-5050	3.7	5.0	50	40	3	290	270	250	225	200	150	100	50
4CSSF5-6060	4.0	6.0	60	40	3	348	324	300	270	240	180	120	60
4CSSF5-7575	5.5	7.5	75	40	3	435	405	375	338	300	225	150	75

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

125MM/150MM/175MM/200MM BOREWELL SUBMERSIBLE PUMPSETS



FEATURES

Motor :

- Totally Enclosed, Water Filled, Squirrel Cage, 2 pole (3000 RPM Syn. Speed), suitable for Wide Voltage, 3 Phase, 50 Hz, AC supply.
- Three Piece Construction with centre S.S. - Ease in rewinding & longer life.
- Special water resistant PVC insulated copper wire.
- Specially Designed Thrust bearing - Lower power consumption.
- Epoxy coating treatment to all ferrous parts of the motor – Rust Prevention & longer life.
- Specially designed water filled and water lubricated motor.
- Specially designed seals to avoid sand entry.
- Dynamically balanced rotor – Vibration free, Longer life & better efficiency
- Energy Efficient - Saves power & Electricity Bills.
- SS Sleeves to prevent Rotor shaft.

Performance chart for 5W/125W Series - 125mm Borewell Pumps

Rating	No of Stages	Motor		Outlet Size in MM	Discharge in LPM						
		KW	HP		0	260	390	480	530	580	660
Total Head in Metres											
5W4D5	4	3.7	5.00	65 (2.5")	39	33	30	27	23	20	16
125WD5	4	3.7	5.00	65 (2.5")	39	33	30	27	23	20	16
5W5D6	5	4.5	6.00	65 (2.5")	49	41	38	33	29	25	20
125W5D6	5	4.5	6.00	65 (2.5")	49	41	38	33	29	25	20

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

Pumps :

- Multistage Centrifugal pump with radial / mix flow type Impeller design
- Suitable for normal sandy water application
- Epoxy coating treatment to all ferrous parts – Rust prevention & longer life
- Dynamically balanced Impellers with pump shaft – Better Efficiency & Performance
- Non return valve fitted to discharge outlet to prevent backflow – Longer life
- Stainless steel Pump shaft – Rust Prevention & Longer Life
- S.S. Impellers – Better Efficiency & Longer Life

General :

- Better design – Better Efficiency – Low Power Consumption.
- Silent running.
- Ease in Installation due to streamlined construction.
- Reliable and safe in operation.

Applications :

- Agricultural farms • Sprinkler irrigation, Drip irrigation • Water supply for Industrial / Commercial Establishments and villages • Multistoried buildings
- Construction sites • Mining applications • Ornamental fountains

Standard Specifications :

- **Range** : 2.2 KW to 55 KW (3.0 HP to 75.0 HP).
- **Pipe Size** : Delivery pipe size 50 mm to 150 mm.
- **Liquid** : Clear water
- **Borewell Size** : Suitable for 150 mm to 250 mm or bigger borewells.
- **Voltage Band** : 300 to 415Volts

PERFORMANCE CHART SUITABLE FOR 150 mm BOREWELL PUMPSETS

Type 6W-A, Radial Flow

Rating	No. of Stages	MOTOR		Outlet Size mm (inch)	Discharge in LPM						
					0	105	115	145	165	180	200
		KW	HP		Total Head in Metres						
6W5A3	5	2.2	3.0	50 (2")	46	42	38	35	29	25	20
6W6A3	6	2.2	3.0	50 (2")	55	50	45	42	34	30	24
6W7A3	7	2.2	3.0	50 (2")	64	58	53	49	40	35	28
6W8A4	8	3.0	4.0	50 (2")	74	66	60	56	45	40	32
6W10A5	10	3.7	5.0	50 (2")	92	83	75	70	57	50	40
6W12A5	12	3.7	5.0	50 (2")	110	99	90	84	68	60	48
6W14A6	14	4.5	6.0	50 (2")	129	116	105	98	79	70	56
6W16A7.5@	16	5.5	7.5	50 (2")	147	132	120	112	90	80	64
6W18A7.5@	18	5.5	7.5	50 (2")	166	149	135	126	102	90	72
6W20A10	20	7.5	10.0	50 (2")	202	180	174	160	140	82	-
6W24A10	24	7.5	10.0	50 (2")	243	216	209	192	168	98	-

@ - Available with star delta connection also • All above ratings also available in 150W Low Voltage Series

Type 6W-B, Radial Flow

Rating	No. of Stages	MOTOR		Outlet Size mm (inch)	Discharge in LPM						
					0	125	195	225	245	265	285
		KW	HP		Total Head in Metres						
6W4B3	4	2.2	3.0	50 (2")	46	43	35	31	27	22	18
6W5B3	5	2.2	3.0	50 (2")	57	53	44	39	33	28	22
6W6B4	6	3.0	4.0	50 (2")	68	64	53	46	40	33	26
6W8B5	8	3.7	5.0	50 (2")	91	85	70	62	53	44	35
6W10B6	10	4.5	6.0	50 (2")	114	106	88	77	66	55	44
6W12B7.5@	12	5.5	7.5	50 (2")	137	127	106	92	80	66	53
6W12B10	12	7.5	10.0	50 (2")	148	135	112	98	84	70	56
6W14B10	14	7.5	10.0	50 (2")	147	136	122	112	102	92	83
6W16B10	16	7.5	10.0	50 (2")	168	155	139	128	117	106	94
6W20B12.5	20	9.3	12.5	50 (2")	228	207	172	150	129	107	86
6W26B17.5	26	13.0	17.5	50 (2")	273	252	226	208	190	172	154

@ - Available with star delta connection also • All above ratings also available in 150W Low Voltage Series

Type 6W-C, Radial Flow

Rating	No. of Stages	MOTOR		Outlet Size mm (inch)	Discharge in LPM						
					0	195	225	265	305	320	345
		KW	HP		Total Head in Metres						
6W5C5	5	3.7	5.0	50 (2")	58	53	48	44	36	31	25
6W8C7.5@	8	5.5	7.5	50 (2")	92	85	77	70	57	50	40
6W10C10	10	7.5	10.0	50 (2")	115	106	96	88	72	63	50

@ - Available with star delta connection also • All above ratings also available in 150W Low Voltage Series

Type 6W-R, Radial Flow

Rating	No. of Stages	MOTOR		Outlet Size mm (inch)	Discharge in LPM						
					0	180	240	310	350	400	430
		KW	HP		Total Head in Metres						
6W3R3	3	2.2	3.0	50 (2")	37	35	32	28	23	20	16
6W5R5	5	3.7	5.0	50 (2")	62	58	53	46	39	33	26
6W6R6	6	4.5	6.0	50 (2")	74	70	63	55	47	39	32
6W7R7.5@	7	5.5	7.5	50 (2")	88	74	70	67	63	56	49
6W8R7.5@	8	5.5	7.5	50 (2")	98	93	84	74	63	52	42
6W8R10	8	7.5	10.0	50 (2")	112	93	89	84	80	71	62
6W10R10	10	7.5	10.0	50 (2")	126	105	100	95	90	80	70
6W12R12.5	12	9.3	12.5	50 (2")	152	126	120	114	108	96	84
6W15R15	15	11.3	15.0	50 (2")	183	158	150	143	135	120	105
6W18R20	18	15.0	20.0	50 (2")	225	189	180	171	162	144	126
6W20R20	20	15.0	20.0	50 (2")	250	210	200	190	180	160	140

@ - Available with star delta connection also • All above ratings also available in 150W Low Voltage Series

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

PERFORMANCE CHART SUITABLE FOR 150 mm BOREWELL PUMPSETS

Type: 6W-J Radial Flow

Rating	No. of Stages	MOTOR		Outlet Size mm (inch)	Discharge in LPM						
		KW	HP		0	105	180	215	250	310	355
					Total Head in Metres						
6W4J3	4	2.2	3.0	50 (2")	45	43	40	36	32	27	18
6W6J5	6	3.7	5.0	50 (2")	67	65	60	54	47	41	27
6W8J6	8	4.5	6.0	50 (2")	90	86	80	68	63	54	36
6W9J7.5@	9	5.5	7.5	50 (2")	101	97	90	81	71	61	41

@ - Available with star delta connection also • All above ratings also available in 150W Low Voltage Series

Type : 6W-Z, Radial Flow

Rating	No. of Stages	MOTOR		Outlet Size mm (inch)	Discharge in LPM						
		KW	HP		45	70	75	100	110	125	135
					Total Head in Metres						
6W8Z3	8	2.2	3.0	50 (2")	72	66	60	52	46	38	30
6W9Z3	9	2.2	3.0	50 (2")	81	75	68	59	51	42	34
6W10Z3	10	2.2	3.0	50 (2")	90	83	75	66	57	47	38
6W12Z4	12	3.0	4.0	50 (2")	108	99	90	79	68	56	45
6W14Z4	14	3.0	4.0	50 (2")	126	116	105	92	79	66	53
6W16Z5	16	3.7	5.0	50 (2")	144	132	120	105	91	75	60
6W18Z5	18	3.7	5.0	50 (2")	162	149	135	118	102	84	68
6W20Z6	20	4.5	6.0	50 (2")	180	165	150	131	113	94	75
6W24Z7.5	24	5.5	7.5	50 (2")	216	198	180	157	136	113	90
6W28Z7.5	28	5.5	7.5	50 (2")	252	231	210	184	158	131	105

All above ratings also available in 150W Low Voltage Series

Type: 6W-D, Mixed Flow

Rating	No. of Stages	MOTOR		Outlet Size mm (inch)	Discharge in LPM							
		KW	HP		0	380	482	470	550	620	700	800
					Total Head in Metres							
6W4D5	4	3.7	5.0	65 (2.5")	41	35	33	31	29	25	19	13
6W5D6	5	4.5	6.0	65 (2.5")	51	43	42	39	36	31	24	16
6W6D7.5@	6	5.5	7.5	65 (2.5")	66	52	50	47	40	35	28	22
6W8D10	8	7.5	10.0	65 (2.5")	82	70	68	64	59	51	40	26

@ - Available with star delta connection also • All above ratings also available in 150W Low Voltage Series

Type: 6W-D(T), Mixed Flow

Rating	No. of Stages	MOTOR		Outlet Size mm (inch)	Discharge in LPM							
		KW	HP		0	375	450	460	500	570	620	625
					Total Head in Metres							
6W5D5(T)	5	3.7	5.0	65 (2.5")	50	39	37	35	32	29	24	21
6W6D6(T)	6	4.5	6.0	65 (2.5")	60	47	44	43	40	36	30	28
6W8D7.5(T)@	8	5.5	7.5	65 (2.5")	80	63	59	58	54	48	41	37
6W10D10(T)	10	7.5	10.0	65 (2.5")	100	79	74	73	69	64	57	51
6W12D12.5(T)	12	9.3	12.5	65 (2.5")	120	95	89	88	82	72	62	58
6W15D15(T)	15	11.0	15.0	65 (2.5")	150	117	110	109	101	90	77	71
6W17D17.5(T)	17	13.0	17.5	65 (2.5")	170	133	125	123	115	102	87	81
6WB20D20(T)	20	15.0	20.0	65 (2.5")	198	157	147	145	135	120	102	95

@ - Available with star delta connection also • All above ratings also available in 150W Low Voltage Series

Type: 6W- E, Mixed Flow

Rating	No. of Stages	MOTOR		Outlet Size mm (inch)	Discharge in LPM							
		KW	HP		0	350	445	530	660	760	860	950
					Total Head in Metres							
6W4E6	4	4.4	6.0	80 (3")	43	36	34	31	26	22	17	11
6W10E15	10	11.3	15.0	80 (3")	108	92	87	78	67	56	43	28

All above ratings also available in 150W Low Voltage Series

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

PERFORMANCE CHART SUITABLE FOR 150 mm BOREWELL PUMPSETS

Type: 6W-E(T), Mixed Flow

Rating	No. of Stages	MOTOR		Outlet Size mm (inch)	Discharge in LPM							
		KW	HP		0	380	425	470	550	620	700	800
					Total Head in Metres							
6W6E7.5(T)	6	5.5	7.5	65 (2.5")	61	52	51	48	44	38	30	20
6W8E10(T)	8	7.5	10.0	65 (2.5")	77	65	59	55	51	41	35	29
6W10E12.5(T)	10	9.3	12.5	65 (2.5")	102	88	85	80	73	64	50	33
6W12E15(T)	12	11.0	15.0	65 (2.5")	123	105	102	96	88	76	60	40
6W14E17.5(T)	14	13.0	17.5	65 (2.5")	143	122	119	112	102	88	70	46
6W16E20(T)	16	15.0	20.0	65 (2.5")	163	139	136	128	116	100	80	52

All above ratings also available in 150W Low Voltage Series

Type: 6W- F, Mixed Flow

Rating	No. of Stages	MOTOR		Outlet Size mm (inch)	Discharge in LPM							
		KW	HP		0	550	650	710	740	790	850	870
					Total Head in Metres							
6W3F5	3	3.7	5.0	80 (3")	34	27	26	24	23	21	19	17
6W4F7.5@	4	5.5	7.5	80 (3")	46	36	34	32	30	28	25	22
6W5F7.5@	5	5.5	7.5	80 (3")	57	45	43	40	38	35	31	28
6W6F10	6	7.5	10.0	80 (3")	57	54	51	48	45	42	34	33
6W8F12.5	8	9.3	12.5	80 (3")	91	72	68	64	60	56	50	44
6W9F15	9	11.0	15.0	80 (3")	103	81	77	72	68	63	56	50
6W12F20	12	15.0	20.0	80 (3")	137	108	102	96	90	84	74	66

@ - Available with star delta connection also • All above ratings also available in 150W Low Voltage Series

Type: 6W-G, Mixed Flow

Rating	No. of Stages	MOTOR		Outlet Size mm (inch)	Discharge in LPM							
		KW	HP		0	490	640	700	740	790	880	970
					Total Head in Metres							
6W3G6	3	4.5	6.0	80 (3")	36	30	27	25	24	22	18	13
6W4G7.5@	4	5.5	7.5	80 (3")	48	40	37	35	33	31	26	20
6W5G10	5	7.5	10.0	80 (3")	60	50	47	44	42	39	32	24
6W8G15	8	11.0	15.0	80 (3")	96	80	75	71	68	63	54	44
6W10G20	10	15.0	20.0	80 (3")	121	100	95	89	86	81	72	62

@ - Available with star delta connection also • All above ratings also available in 150W Low Voltage Series

Type: 6W- H Mixed Flow

Rating	No. of Stages	MOTOR		Outlet Size mm (inch)	Discharge in LPM							
		KW	HP		0	680	750	840	875	930	990	1140
					Total Head in Metres							
6W3H7.5@	3	5.5	7.5	80 (3")	35	27	26	25	24	23	20	14
6W4H10	4	7.5	10.0	80 (3")	47	36	35	34	32	30	27	19
6W5H12.5	5	9.3	12.5	80 (3")	59	46	44	43	41	38	35	24
6W6H15	6	11.0	15.0	80 (3")	71	55	53	51	49	46	42	29

@ - Available with star delta connection also • All above ratings also available in 150W Low Voltage Series

PERFORMANCE CHART SUITABLE FOR 150 mm 6W(I) BOREWELL PUMPSETS

Type 6W(I)-A, Radial Flow

Rating	No. of Stages	MOTOR		Outlet Size mm (inch)	Discharge in LPM							
		KW	HP		0	105	115	145	165	180	200	
					Total Head in Metres							
6W5A3(I)	5	2.2	3.0	50 (2")	46	42	38	35	29	25	20	
6W6A3(I)	6	2.2	3.0	50 (2")	55	50	45	42	34	30	24	
6W7A3(I)	7	2.2	3.0	50 (2")	64	58	53	49	40	35	28	
6W8A4(I)	8	3.0	4.0	50 (2")	74	66	60	56	45	40	32	
6W10A5(I)	10	3.7	5.0	50 (2")	92	83	75	70	57	50	40	
6W12A5(I)	12	3.7	5.0	50 (2")	110	99	90	84	68	60	48	
6W14A6(I)	14	4.5	6.0	50 (2")	129	116	105	98	79	70	56	
6W16A7.5(I)	16	5.5	7.5	50 (2")	147	132	120	112	90	80	64	
6W18A7.5(I)	18	5.5	7.5	50 (2")	166	149	135	126	102	90	72	

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

PERFORMANCE CHART SUITABLE FOR 150 mm 6W(I) BOREWELL PUMPSETS

Type 6W(I)-B, Radial Flow

Rating	No. of Stages	MOTOR		Outlet Size mm (inch)	Discharge in LPM						
		KW	HP		0	125	195	225	245	265	285
					Total Head in Metres						
6W4B3(I)	4	2.2	3.0	50 (2")	46	43	35	31	27	22	18
6W5B3(I)	5	2.2	3.0	50 (2")	57	53	44	39	33	28	22
6W6B4(I)	6	3.0	4.0	50 (2")	68	64	53	46	40	33	26
6W8B5(I)	8	3.7	5.0	50 (2")	91	85	70	62	53	44	35
6W10B6(I)	10	4.5	6.0	50 (2")	114	106	88	77	66	55	44
6W12B7.5(I)	12	5.5	7.5	50 (2")	137	127	106	92	80	66	53

Type 6W(I)-C, Radial Flow

Rating	No. of Stages	MOTOR		Outlet Size mm (inch)	Discharge in LPM						
		KW	HP		0	195	225	265	305	320	345
					Total Head in Metres						
6W5C5(I)	5	3.7	5.0	50 (2")	58	53	48	44	36	31	25
6W8C7.5(I)	8	5.5	7.5	50 (2")	92	85	77	70	57	50	40

Type 6W(I)-R, Radial Flow

Rating	No. of Stages	MOTOR		Outlet Size mm (inch)	Discharge in LPM						
		KW	HP		0	225	265	285	300	340	365
					Total Head in Metres						
6W3R3(I)	3	2.2	3.0	50 (2")	37	35	32	28	23	20	16
6W5R5(I)	5	3.7	5.0	50 (2")	62	58	53	46	39	33	26
6W6R6(I)	6	4.5	6.0	50 (2")	74	70	63	55	47	39	32
6W7R7.5(I)	7	5.5	7.5	50 (2")	88	74	70	67	63	56	49
6W8R7.5(I)	8	5.5	7.5	50 (2")	98	93	84	74	63	52	42

Type: 6W(I)-J Radial Flow

Rating	No. of Stages	MOTOR		Outlet Size mm (inch)	Discharge in LPM						
		KW	HP		0	105	180	215	250	310	355
					Total Head in Metres						
6W4J3(I)	4	2.2	3.0	50 (2")	45	43	40	36	32	27	18
6W6J5(I)	6	3.7	5.0	50 (2")	67	65	60	54	47	41	27
6W8J6(I)	8	4.5	6.0	50 (2")	90	86	80	68	63	54	36
6W9J7.5(I)	9	5.5	7.5	50 (2")	101	97	90	81	71	61	41

Type : 6W(I)-Z, Radial Flow

Rating	No. of Stages	MOTOR		Outlet Size mm(inch)	Discharge in LPM						
		KW	HP		45	70	75	100	110	125	135
					Total Head in Metres						
6W8Z3(I)	8	2.2	3.0	50 (2")	72	66	60	52	46	38	30
6W9Z3(I)	9	2.2	3.0	50 (2")	81	75	68	59	51	42	34
6W10Z3(I)	10	2.2	3.0	50 (2")	90	83	75	66	57	47	38
6W12Z4(I)	12	3.0	4.0	50 (2")	108	99	90	79	68	56	45
6W14Z4(I)	14	3.0	4.0	50 (2")	126	116	105	92	79	66	53
6W16Z5(I)	16	3.7	5.0	50 (2")	144	132	120	105	91	75	60
6W18Z5(I)	18	3.7	5.0	50 (2")	162	149	135	118	102	84	68
6W20Z6(I)	20	4.5	6.0	50 (2")	180	165	150	131	113	94	75
6W24Z7.5(I)	24	5.5	7.5	50 (2")	216	198	180	157	136	113	90
6W28Z7.5(I)	28	5.5	7.5	50 (2")	252	231	210	184	158	131	105

Type: 6W(I)-D, Mixed Flow

Rating	No. of Stages	MOTOR		Outlet Size mm (inch)	Discharge in LPM							
		KW	HP		0	380	482	470	550	620	700	800
					Total Head in Metres							
6W4D5(I)	4	3.7	5.0	65 (2.5")	41	35	33	31	29	25	19	13
6W5D6(I)	5	4.5	6.0	65 (2.5")	51	43	42	39	36	31	24	16
6W6D7.5(I)	6	5.5	7.5	65 (2.5")	66	52	50	47	40	35	28	22

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

PERFORMANCE CHART SUITABLE FOR 150 mm BOREWELL PUMPSETS

Type: 6W(I)- E, Mixed Flow

Rating	No. of Stages	MOTOR		Outlet Size mm (inch)	Discharge in LPM							
		KW	HP		0	350	445	530	660	760	860	950
					Total Head in Metres							
6W4E6(I)	4	4.4	6.0	80 (3")	43	36	34	31	26	22	17	11

Type: 6W(I)-D(T), Mixed Flow

Rating	No. of Stages	MOTOR		Outlet Size mm (inch)	Discharge in LPM							
		KW	HP		0	375	450	460	500	570	620	625
					Total Head in Metres							
6W5D5(T)(I)	5	3.7	5.0	65 (2.5")	50	39	37	35	32	29	24	21
6W6D6(T)(I)	6	4.5	6.0	65 (2.5")	60	47	44	43	40	36	30	28
6W8D7.5(T)(I)	8	5.5	7.5	65 (2.5")	80	63	59	58	54	48	41	37

Type: 6W(I)-E(T), Mixed Flow

Rating	No. of Stages	MOTOR		Outlet Size mm (inch)	Discharge in LPM							
		KW	HP		0	380	425	470	550	620	700	800
					Total Head in Metres							
6W6E7.5(T)(I)	6	5.5	7.5	65 (2.5")	61	52	51	48	44	38	30	20

Type: 6W(I)- F, Mixed Flow

Rating	No. of Stages	MOTOR		Outlet Size mm (inch)	Discharge in LPM							
		KW	HP		0	550	650	710	740	790	850	870
					Total Head in Metres							
6W3F5(I)	3	3.7	5.0	80 (3")	34	27	26	24	23	21	19	17

Type: 6W(I)-G, Mixed Flow

Rating	No. of Stages	MOTOR		Outlet Size mm (inch)	Discharge in LPM							
		KW	HP		0	490	640	700	740	790	880	970
					Total Head in Metres							
6W3G6(I)	3	4.5	6.0	80 (3")	36	30	27	25	24	22	18	13
6W4G7.5(I)	4	5.5	7.5	80 (3")	48	40	37	35	33	31	26	20

Type: 6W(I)- H Mixed Flow

Rating	No. of Stages	MOTOR		Outlet Size mm (inch)	Discharge in LPM							
		KW	HP		0	680	750	840	875	930	990	1140
					Total Head in Metres							
6W3H7.5(I)	3	5.5	7.5	80 (3")	35	27	26	25	24	23	20	14

PERFORMANCE CHART SUITABLE FOR 175 mm BOREWELL PUMPSETS

Type : JA,JB

Rating	No. of Stages	MOTOR		Outlet Size mm (inch)	Discharge in LPM							
		KW	HP		600	800	1000	1200	1400	1600	1800	
					Total Head in Metres							
J2A7.5	2	5.5	7.5	100 (4")	34	32	30	28	24	18	12	
J2A10	2	7.5	10.0	100 (4")	38	34	30	29	25	19	15	
J2B7.5	2	5.5	7.5	100 (4")	34	32	30	28	24	18	12	
J2B10	2	7.5	10.0	100 (4")	38	34	30	29	25	19	15	
J3B10	3	7.5	10.0	100 (4")	48	45	42	37	36	22	14	
J3A10	3	7.5	10.0	100 (4")	48	45	42	37	36	22	14	
J3A12.5	3	9.3	12.5	100 (4")	52	48	45	42	36	28	18	
J3B12.5	3	9.3	12.5	100 (4")	52	48	45	42	36	28	18	
J4B15	4	11.0	15.0	100 (4")	65	62	56	48	48	27	-	
J5B17.5	5	13.0	17.5	100 (4")	80	75	71	63	60	37	22	
J5B20	5	15.0	20.0	100 (4")	79	73	67	58	47	32	-	

- Note : 1. All above Ratings are also available in J-WX Series with 380 volts as base voltage
 2. Performance figure given above are approximate and may differ on site conditions.

PERFORMANCE CHART SUITABLE FOR 175 mm BOREWELL PUMPSETS

Type : LJ - I

Rating	No. of Stages	MOTOR		Outlet Size mm (inch)	Discharge in LPM						
		KW	HP		850	1120	1300	1380	1420	1500	1590
					Total Head in Metres						
LJ3I6	3	4.5	6.0	100 (4")	24	18	13	10	8	-	-
LJ3I7.5	3	5.5	7.5	100 (4")	30	26	22	20	18	15	11
LJ4I7.5	4	5.5	7.5	100 (4")	31	23	17	13	10	-	-

Type : LJ-K

Rating	No. of Stages	MOTOR (V6)		Outlet Size mm (inch)	Discharge in LPM						
		KW	HP		700	900	1100	1300	1500	1700	1900
					Total Head in Metres						
LJ3K15	3	11.0	15.0	100 (4")	52	48	43	40	35	27	19

Type : JV(T)

Rating	No. of Stages	MOTOR (V6)		Outlet Size mm (inch)	Discharge in LPM							
		KW	HP		0	350	450	550	625	750	850	1000
					Total Head in Metres							
J3V10(T)	3	7.5	10.0	100 (4")	56	54	51	48	45	39	36	30

Type : JV

Rating	No. of Stages	MOTOR (V6)		Outlet Size mm (inch)	Discharge in LPM							
		KW	HP		0	650	750	900	960	1000	1125	1225
					Total Head in Metres							
J2V7.5	2	5.5	7.5	100 (4")	57	38	36	32	30	28	24	20
J3V12.5	3	9.3	12.5	100 (4")	86	57	54	48	45	42	36	30

Type : HJ

Rating	No. of Stages	MOTOR		Outlet Size mm (inch)	Discharge in LPM						
		KW	HP		0	700	920	1000	1100	1200	1290
					Total Head in Metres						
HJ3I6	3	4.5	6.0	100 (4")	37	26	22	19	17	12	8
HJ3I7.5	3	5.5	7.5	100 (4")	47	32	27	24	22	15	10
HJ4I7.5	4	5.5	7.5	100 (4")	56	38	32	29	26	18	12
HJ4I10	4	7.5	10.0	100 (4")	61	42	35	31	29	19	13

Type : JL

Rating	No. of Stages	MOTOR (V6)		Outlet Size mm (inch)	Discharge in LPM							
		KW	HP		0	350	1250	1780	1900	1975	2025	2075
					Total Head in Metres							
J2L12.5	2	9.3	12.5	100 (4")	54	45	38	33	30	22	18	15
J3L17.5	3	13.0	17.5	100 (4")	70	62	56	49	44	27	19	-

Type : JM

Rating	No. of Stages	MOTOR (V6)		Outlet Size mm (inch)	Discharge in LPM							
		KW	HP		0	1550	1700	1800	1850	2050	2100	2150
					Total Head in Metres							
J1M7.5	1	5.5	7.5	125 (5")	24	15	14	13	12	10	9	7
J3M17.5	3	13.0	17.5	100 (4")	70	62	56	49	44	27	19	-
J3M20	3	15.0	20.0	125 (5")	72	45	42	39	36	30	27	21

Note : 1. All above Ratings are also available in J-WX Series with 380 volts as base voltage
2. Performance figure given above are approximate and may differ on site conditions.

PERFORMANCE CHART SUITABLE FOR 175 mm BOREWELL PUMPSETS

Type : JN

Rating	No. of Stages	MOTOR (V6)		Outlet Size mm (inch)	Discharge in LPM							
		KW	HP		0	700	1250	1780	1900	1975	2025	2075
					Total Head in Metres							
J2N15	2	11.0	15.0	125 (5")	55	36	34	32	30	28	26	24
J3N25	3	18.6	25.0	125 (5")	83	54	51	48	45	42	39	36

Type : JI

Rating	No. of Stages	MOTOR (V6)		Outlet Size mm (inch)	Discharge in LPM							
		KW	HP		0	850	1120	1300	1380	1420	1500	1590
					Total Head in Metres							
J2I6	2	4.5	6.0	100 (4")	30	20	17	15	13	12	10	4
J3I6	3	4.5	6.0	100 (4")	32	24	18	13	10	8	-	-
J3I7.5	3	5.5	7.5	100 (4")	41	30	26	22	20	18	15	11
J3I10	3	7.5	10.0	100 (4")	50	34	30	27	24	21	17	14
J4I10	4	7.5	10.0	100 (4")	55	40	34	29	26	24	20	14
J4I12.5	4	9.3	12.5	100 (4")	67	49	43	38	35	34	28	25
J5I15	5	11.0	15.0	100 (4")	83	57	50	43	40	35	27	23

Note : All above Ratings are also available in J-WX Series with 380 volts as base voltage

Type : CJM Series

Rating	No. of Stages	MOTOR (V6)		Outlet Size mm (inch)	Discharge in LPM					
		KW	HP		35	32	30	28	25	20
					Total Head in Metres					
CJM35-0210	2	7.5	10.0	100 (4")	500	900	1150	1350	1450	1650

Rating	No. of Stages	MOTOR (V6)		Outlet Size mm (inch)	Discharge in LPM					
		KW	HP		15	23	28	33	38	42
					Total Head in Metres					
CJM40-0215	2	11.0	15.0	100 (4")	2150	2000	1800	1600	1300	920

PERFORMANCE CHART SUITABLE FOR 200 mm BOREWELL PUMPSETS

Type 8W - A

Rating	No. of Stages	MOTOR		Outlet Size mm (inch)	Discharge in LPM							
		KW	HP		200	290	330	385	450	465	490	
					Total Head in Metres							
8W3A7.5	3	5.5	7.5	80 (3")	54	51	48	45	42	39	36	
8W4A10	4	7.5	10.0	80 (3")	72	68	64	60	56	52	48	
8W5A12.5	5	9.3	12.5	80 (3")	90	85	80	75	70	65	60	
8W7A17.5	7	13.0	17.5	80 (3")	126	119	112	105	98	91	84	
8W8A20	8	15.0	20.0	80 (3")	144	136	128	120	112	104	96	
8W9A22.5	9	16.8	22.5	80 (3")	162	153	144	135	126	117	108	
8W11A27.5	11	20.5	27.5	80 (3")	198	187	176	165	154	143	132	
8W12A30	12	22.4	30.0	80 (3")	216	204	192	180	168	156	144	
8W13A30	13	22.4	30.0	80 (3")	234	221	208	195	182	169	156	
8W14A35	14	26.1	35.0	80 (3")	252	238	224	210	196	182	168	
8W15A40	15	29.8	40.0	80 (3")	270	255	240	225	210	195	180	
8W16A40	16	29.8	40.0	80 (3")	288	272	256	240	224	208	192	
8W17A45	17	33.6	45.0	80 (3")	306	289	272	255	238	221	204	
8W18A45	18	33.6	45.0	80 (3")	324	306	288	270	252	234	216	
8W19A50	19	37.3	50.0	80 (3")	342	323	304	285	266	247	228	
8W20A50	20	37.3	50.0	80 (3")	360	340	320	300	280	260	240	

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

PERFORMANCE CHART SUITABLE FOR 200 mm BOREWELL PUMPSETS

Type 8W - B

Rating	No. of Stages	MOTOR		Outlet Size mm (inch)	Discharge in LPM						
		KW	HP		340	440	480	520	580	600	620
					Total Head in Metres						
8W3B10	3	7.5	10.0	80 (3")	51	48	45	42	39	36	33
8W4B12.5	4	9.3	12.5	80 (3")	68	64	60	56	52	48	44
8W5B15	5	11.0	15.0	80 (3")	85	80	75	70	65	60	55
8W6B17.5	6	13.0	17.5	80 (3")	102	96	90	84	78	72	66
8W7B20	7	15.0	20.0	80 (3")	119	112	105	98	91	84	77
8W8B25	8	18.6	25.0	80 (3")	136	128	120	112	104	96	88
8W9B27.5	9	20.5	27.5	80 (3")	153	144	135	126	117	108	99
8W10B30	10	22.4	30.0	80 (3")	170	160	150	140	130	120	110
8W11B35	11	26.1	35.0	80 (3")	187	176	165	154	143	132	121
8W13B40	13	29.8	40.0	80 (3")	221	208	195	182	169	156	143
8W14B45	14	33.6	45.0	80 (3")	238	224	210	196	182	168	154
8W15B45	15	33.6	45.0	80 (3")	255	240	225	210	195	180	165
8W16B50	16	37.3	50.0	80 (3")	272	256	240	224	208	192	176
8W17B55	17	41.0	55.0	80 (3")	289	272	255	238	221	204	187
8W18B55	18	41.0	55.0	80 (3")	306	288	270	252	234	216	198
8W19B60	19	44.7	60.0	80 (3")	323	304	285	266	247	228	209
8W20B60	20	44.7	60.0	80 (3")	340	320	300	280	260	240	220

Type 8W - C

Rating	No. of Stages	MOTOR		Outlet Size mm (inch)	Discharge in LPM						
		KW	HP		380	425	480	540	570	600	640
					Total Head in Metres						
8W2C7.5	2	5.5	7.5	80 (3")	36	34	32	30	28	26	24
8W3C10	3	7.5	10.0	80 (3")	54	51	48	45	42	39	36
8W4C12.5	4	9.3	12.5	80 (3")	72	68	64	60	56	52	48
8W5C15	5	11.0	15.0	80 (3")	90	85	80	75	70	65	60
8W6C20	6	15.0	20.0	80 (3")	108	102	96	90	84	78	72
8W7C25	7	18.6	25.0	80 (3")	126	119	112	105	98	91	84
8W8C27.5	8	20.0	27.5	80 (3")	144	136	128	120	112	104	96
8W9C30	9	22.4	30.0	80 (3")	162	153	144	135	126	117	108
8W10C35	10	26.1	35.0	80 (3")	180	170	160	150	140	130	120
8W11C40	11	29.8	40.0	80 (3")	198	187	176	165	154	143	132
8W12C45	12	33.6	45.0	80 (3")	216	204	192	180	168	156	144
8W14C50	14	37.3	50.0	80 (3")	252	238	224	210	196	182	168
8W15C55	15	41.0	55.0	80 (3")	270	255	240	225	210	195	180
8W16C60	16	44.7	60.0	80 (3")	288	272	256	240	224	208	192
8W17C60	17	44.7	60.0	80 (3")	306	289	272	255	238	221	204
8W18C65	18	48.5	65.0	80 (3")	324	306	288	270	252	234	216
8W19C70	19	52.2	70.0	80 (3")	342	323	304	285	266	247	228
8W20C70	20	52.2	70.0	80 (3")	360	340	320	300	280	260	240

Type 8W - H

Rating	No. of Stages	MOTOR		Outlet Size mm (inch)	Discharge in LPM						
		KW	HP		350	450	550	625	750	850	1000
					Total Head in Metres						
8W7H20	7	15.0	20.0	80 (3")	126	119	112	105	91	84	70
8W8H25	8	18.6	25.0	80 (3")	144	136	128	120	104	96	80
8W9H27.5	9	20.5	27.5	80 (3")	162	153	144	135	117	108	90
8W11H35	11	26.1	35.0	80 (3")	198	187	176	165	143	132	110
8W12H40	12	29.8	40.0	80 (3")	216	204	192	180	156	144	120
8W13H40	13	29.8	40.0	80 (3")	234	221	208	195	169	156	130
8W14H45	14	33.6	45.0	80 (3")	252	238	224	210	182	168	140
8W15H45	15	33.6	45.0	80 (3")	270	255	240	225	195	180	150

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

PERFORMANCE CHART SUITABLE FOR 200 mm BOREWELL PUMPSETS

Type 8W - J

Rating	No. of Stages	MOTOR		Outlet Size mm (inch)	Discharge in LPM						
		KW	HP		550	625	750	850	925	1050	1125
					Total Head in Metres						
8W4J15	4	11.0	15.0	100 (4")	76	72	64	60	56	48	40
8W6J25	6	18.6	25.0	100 (4")	114	108	96	90	84	72	60
8W8J30	8	22.4	30.0	100 (4")	152	144	128	120	112	96	80
8W9J35	9	26.1	35.0	100 (4")	171	162	144	135	126	108	90
8W10J40	10	29.8	40.0	100 (4")	185	182	168	154	140	123	105
8W11J45	11	33.6	45.0	100 (4")	209	198	176	165	154	132	110
8W12J45	12	33.6	45.0	100 (4")	228	216	192	180	168	144	120
8W13J50	13	37.3	50.0	100 (4")	247	234	208	195	182	156	130
8W14J55	14	41.0	55.0	100 (4")	266	252	224	210	196	168	140
8W15J60	15	44.7	60.0	100 (4")	285	270	240	225	210	180	150

Type 8W - K

Rating	No. of Stages	MOTOR		Outlet Size mm (inch)	Discharge in LPM						
		KW	HP		625	725	900	1000	1100	1175	1350
					Total Head in Metres						
8W3K15	3	11.0	15.0	100 (4")	60	57	50	45	39	33	27
8W4K20	4	15.0	20.0	100 (4")	80	76	66	60	52	44	36
8W5K25	5	18.6	25.0	100 (4")	100	95	83	75	65	55	45
8W6K30	6	22.4	30.0	100 (4")	120	114	99	90	78	66	54
8W8K40	8	29.8	40.0	100 (4")	160	152	132	120	104	88	72
8W9K45	9	33.6	45.0	100 (4")	180	171	149	135	117	99	81
8W10K50	10	37.3	50.0	100 (4")	200	190	165	150	130	110	90
8W11K55	11	41.0	55.0	100 (4")	220	209	182	165	143	121	99
8W12K60	12	44.8	60.0	100 (4")	240	228	198	180	156	132	108
8W13K65	13	48.5	65.0	100 (4")	260	247	215	195	169	143	117
8W14K70	14	52.2	70.0	100 (4")	280	266	231	210	182	154	126
8W15K75	15	56.0	75.0	100 (4")	300	285	248	225	195	165	135

Type 8W - L

Rating	No. of Stages	MOTOR		Outlet Size mm (inch)	Discharge in LPM						
		KW	HP		600	900	1125	1200	1400	1500	1600
					Total Head in Metres						
8W3L20	3	15.0	20.0	100 (4")	68	57	50	45	33	27	23
8W4L25	4	18.6	25.0	100 (4")	90	76	66	60	44	36	30
8W5L30	5	22.4	30.0	100 (4")	113	95	83	75	55	45	38
8W6L35	6	26.1	35.0	100 (4")	135	114	99	90	66	54	45
8W6L40	6	29.8	40.0	100 (4")	135	114	99	90	66	54	45
8W8L50	8	37.3	50.0	100 (4")	180	152	132	120	88	72	60
8W9L55	9	41.0	55.0	100 (4")	203	171	149	135	99	81	68
8W10L60	10	44.8	60.0	100 (4")	225	190	165	150	110	90	75
8W11L70	11	52.2	70.0	100 (4")	248	209	182	165	121	99	83
8W12L75	12	56.0	75.0	100 (4")	270	228	198	180	132	108	90

Type 8W - M

Rating	No. of Stages	MOTOR		Outlet Size mm (inch)	Discharge in LPM						
		KW	HP		1450	1600	1675	1750	1900	2000	2150
					Total Head in Metres						
8W3M20	3	18.6	20.0	125 (5")	45	42	39	36	30	27	21
8W4M30	4	22.4	30.0	125 (5")	60	56	52	48	40	36	28
8W5M35	5	26.1	35.0	125 (5")	75	70	65	60	50	45	35
8W6M45	6	33.6	45.0	125 (5")	90	84	78	72	60	54	42
8W7M55	7	41.0	55.0	125 (5")	105	98	91	84	70	63	49
8W8M60	8	44.8	60.0	125 (5")	120	112	104	96	80	72	56
8W9M70	9	52.2	70.0	125 (5")	135	126	117	108	90	81	63
8W10M75	10	56.0	75.0	125 (5")	150	140	130	120	100	90	70

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

PERFORMANCE CHART SUITABLE FOR 200 mm BOREWELL PUMPSETS

Type 8W - N

Rating	No. of Stages	MOTOR		Outlet Size mm (inch)	Discharge in LPM						
		Kw	HP		1025	1275	1425	1550	1725	1775	1875
					Total Head in Metres						
8W2N15	2	11.0	15.0	125 (5")	36	34	32	30	28	26	24
8W3N25	3	18.6	25.0	125 (5")	54	51	48	45	42	39	36
8W4N35	4	26.1	35.0	125 (5")	72	68	64	60	56	52	48
8W5N45	5	33.6	45.0	125 (5")	90	85	80	75	70	65	60
8W6N50	6	37.3	50.0	125 (5")	108	102	96	90	84	78	72
8W7N60	7	44.8	60.0	125 (5")	126	119	112	105	98	91	84
8W8N70	8	52.2	70.0	125 (5")	144	136	128	120	112	104	96
8W9N75	9	56.0	75.0	125 (5")	162	153	144	135	126	117	108

Type 8W - P

Rating	No. of Stages	MOTOR		Outlet Size mm (inch)	Discharge in LPM						
		Kw	HP		1200	1500	1600	1700	1775	1950	2050
					Total Head in Metres						
8W2P20	2	15.0	20.0	125 (5")	38	34	32	30	28	24	22
8W3P30	3	22.4	30.0	125 (5")	57	51	48	45	42	36	33
8W4P40	4	29.8	40.0	125 (5")	76	68	64	60	56	48	44
8W5P50	5	37.3	50.0	125 (5")	102	94	85	78	74	73	63
8W6P55	6	41.0	55.0	125 (5")	114	102	96	90	84	72	66
8W7P65	7	48.5	65.0	125 (5")	133	119	112	105	98	84	77
8W8P75	8	56.0	75.0	125 (5")	152	136	128	120	112	96	88

PERFORMANCE CHART SUITABLE FOR 200 mm BOREWELL PUMPSETS (CG8 Series with Copper Rotor)

Rating	No. of STAGE	MOTOR RATING		DISCHARGE IN LPM									
		KW	H.P.	0	75	150	200	250	300	350	400	450	510
				HEAD IN METERS									
CG8V6R15-15	6	11.0	15.0	116	115	113	111	109	107	103	100	87	74
CG8V7R15-17.5	7	13.0	17.5	136	134	132	130	127	125	120	116	102	87
CG8V8R15-20	8	15.0	20.0	155	154	151	148	146	142	138	133	116	99
CG8V9R15-25	9	18.5	25.0	175	173	170	166	164	160	155	149	130	112
CG8V10R15-25	10	18.5	25.0	194	192	189	185	182	178	172	166	145	124
CG8V11R15-30	11	22.5	30.0	213	211	208	204	200	196	189	183	160	136
CG8V12R15-30	12	22.5	30.0	233	231	227	222	218	214	206	199	174	149
CG8V14R15-35	14	26.0	35.0	272	269	265	259	255	249	241	232	203	174
CG8V16R15-40	16	30.0	40.0	310	307	302	296	291	285	275	266	232	198
CG8V18R15-50	18	37.5	50.0	349	343	340	333	328	320	310	299	261	223
CG8V20R15-50	20	37.5	50.0	388	384	378	370	364	356	344	332	290	248

Rating	No. of STAGE	MOTOR RATING		DISCHARGE IN LPM							
		KW	H.P.	0	380	440	525	610	695	750	825
				HEAD IN METERS							
CG8V5R16-15	5	11.0	15.0	96	90	85	80	75	65	60	50
CG8V6R16-17.5	6	13.0	17.5	115	108	102	96	90	78	72	60
CG8V7R16-20	7	15.0	20.0	134	126	119	112	105	91	84	70
CG8V8R16-25	8	18.5	25.0	154	144	136	128	120	104	96	80
CG8V9R16-30	9	22.5	30.0	173	162	153	144	135	117	108	90
CG8V10R16-30	10	22.5	30.0	192	180	170	160	150	130	120	100
CG8V11R16-35	11	26.0	35.0	211	198	187	176	165	143	132	110
CG8V12R16-35	12	26.0	35.0	230	216	204	192	180	156	144	120
CG8V13R16-40	13	30.0	40.0	250	234	221	208	195	169	156	130
CG8V14R16-45	14	33.0	45.0	269	252	238	224	210	182	168	140
CG8V16R16-50	16	37.5	50.0	307	288	272	256	240	208	192	160

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

PERFORMANCE CHART SUITABLE FOR 200 mm BOREWELL PUMPSETS (CG8 Series with Copper Rotor)

Rating	No. of STAGE	MOTOR RATING		Discharge in LPM									
				0	150	300	370	420	480	550	650	750	850
		KW	HP	Total Head in Meters									
CG8V6R17-15	6	11.0	15.0	116	111	107	104	100	93	82	68	59	47
CG8V7R17-17.5	7	13.0	17.5	135	130	125	122	117	108	95	80	69	55
CG8V8R17-20	8	15.0	20.0	154	148	142	139	134	124	109	91	78	63
CG8V9R17-25	9	18.5	25.0	174	167	160	157	150	139	122	103	88	71
CG8V10R17-25	10	18.5	25.0	193	186	178	174	167	154	136	114	98	79
CG8V11R17-30	11	22.5	30.0	212	204	196	191	184	170	150	125	108	87
CG8V12R17-30	12	22.5	30.0	232	223	214	209	200	185	163	137	118	95
CG8V14R17-35	14	26.0	35.0	272	260	249	244	234	216	190	160	137	111
CG8V16R17-40	16	30.0	40.0	310	297	285	278	267	247	218	182	157	126
CG8V18R17-50	18	37.5	50.0	347	334	320	313	301	278	245	205	176	142
CG8V20R17-50	20	37.5	50.0	386	371	356	348	334	309	272	228	196	158

Rating	No. of STAGE	MOTOR RATING		Discharge in LPM									
				0	170	290	420	500	600	700	800	900	1000
		KW	HP	Total Head in Meters									
CG8V3R18-15	3	11.0	15.0	65	62	60	58	57	55	53	50	44	37
CG8V4R18-20	4	15.0	20.0	87	83	81	78	76	74	71	66	58	50
CG8V5R18-25	5	18.5	25.0	108	104	101	98	95	92	88	83	73	65
CG8V6R18-30	6	22.5	30.0	130	125	121	117	114	110	106	100	88	74
CG8V7R18-35	7	26.0	35.0	152	146	141	136	133	129	124	116	102	87
CG8V8R18-40	8	30.0	40.0	174	166	161	156	152	147	142	133	117	99
CG8V9R18-45	9	33.0	45.0	195	187	181	176	171	166	159	149	131	112
CG8V10R18-50	10	37.5	50.0	217	208	202	195	190	184	177	166	146	124

Rating	No. of STAGE	MOTOR RATING		Discharge in LPM									
				0	170	290	400	500	600	650	750	850	
		KW	HP	Total Head in Meters									
CG8V4R19-17.5	4	13.0	17.5	82	79	78	76	74	71	67	59	50	
CG8V5R19-20	5	15.0	20.0	102	99	97	95	92	89	84	74	62	
CG8V6R19-25	6	18.5	25.0	123	119	117	114	111	106	101	88	75	
CG8V7R19-30	7	22.5	30.0	144	139	136	133	130	124	118	103	88	
CG8V8R18-35	8	26.0	35.0	164	158	156	153	148	143	134	118	100	
CG8V10R19-40	10	30.0	40.0	205	198	194	190	185	178	168	147	125	

Rating	No. of STAGE	MOTOR RATING		Discharge in LPM									
				0	500	650	900	1130	1300	1350	1500		
		KW	HP	Total Head in Meters									
CG8V2M17-10	2	7.5	10.0	43	40	38	33	30	26	22	18		
CG8V3M17-15	3	11.0	15.0	65	60	57	50	45	39	33	27		
CG8V4M17-20	4	15.0	20.0	87	80	76	67	60	52	44	36		
CG8V5M17-25	5	18.5	25.0	108	100	95	83	75	65	55	45		
CG8V6M17-30	6	22.0	30.0	130	120	114	100	90	78	66	54		

Rating	No. of STAGE	MOTOR RATING		Discharge in LPM							
				0	250	900	1150	1550	1750	1850	
		KW	HP	Total Head in Meters							
CG8V2M18-10	2	7.5	10.0	39	38	33	30	26	22	18	
CG8V3M18-15	3	11.0	15.0	59	57	50	45	39	33	27	
CG8V4M18-20	4	15.0	20.0	79	76	67	60	52	44	36	
CG8V5M18-25	5	18.5	25.0	98	95	83	75	65	55	45	
CG8V6M18-30	6	22.0	30.0	118	114	100	90	78	66	54	

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

PERFORMANCE CHART SUITABLE FOR 200 mm BOREWELL PUMPSETS (CG8 Series with Copper Rotor)

Rating	No. of STAGE	MOTOR RATING		Discharge in LPM						
		KW	HP	0	950	1260	1550	1870	2000	2140
				Total Head in Meters						
CG8V2M20-12.5	2	9.3	12.5	45	38	33	30	22	18	15
CG8V3M20-17.5	3	13.0	17.5	68	57	50	45	33	30	27
CG8V4M20-25	4	18.5	25.0	90	76	66	60	44	40	36
CG8V5M20-30	5	22.0	30.0	113	95	83	75	55	45	38

Rating	No. of STAGE	MOTOR RATING		Discharge in LPM							
		KW	HP	0	1645	1720	1810	1915	2090	2200	2340
				Total Head in Meters							
CG8V2M21-15	2	7.5	10.0	49	30	28	26	24	20	18	14
CG8V3M21-20	3	11.0	15.0	74	45	42	39	36	30	27	21
CG8V4M21-30	4	15.0	20.0	99	60	56	52	48	40	36	28

Rating	No. of STAGE	MOTOR RATING		Discharge in LPM							
		KW	HP	0	1460	1580	1700	1800	1910	2030	2110
				Total Head in Meters							
CG8V3M22-25	3	18.5	25.0	77	54	51	48	45	42	39	36

Rating	No. of STAGE	MOTOR RATING		Discharge in LPM							
		KW	HP	0	1590	1920	2055	2170	2260	2440	2530
				Total Head in Meters							
CG8V2M23-20	2	15.0	20.0	55	38	34	32	30	28	24	22
CG8V3M23-30	3	22.0	30.0	83	57	51	48	45	42	36	33

PERFORMANCE CHART SUITABLE FOR 250 mm BOREWELL PUMPSETS

Type : DS

Rating	No. of Stages	MOTOR		Outlet Size mm (inch)	Discharge in LPM						
		KW	HP		1500	1750	2500	2650	2800	2950	3050
					Total Head in Metres						
D1S15	1	11.0	15.0	150 (6")	21	20	18	17	16	15	13
D2S30	2	22.4	30.0	150 (6")	42	40	36	34	32	30	26
D3S45	3	33.6	45.0	150 (6")	63	60	54	51	48	45	39

Type : DT

Rating	No. of Stages	MOTOR		Outlet Size mm (inch)	Discharge in LPM						
		KW	HP		1500	2100	2450	2700	2950	3100	3250
					Total Head in Metres						
D1T20	1	15.0	20.0	150 (6")	24	22	21	20	18	17	16
D2T40	2	29.8	40.0	150 (6")	48	44	42	40	36	34	32

Type : DQ

Rating	No. of Stages	MOTOR		Outlet Size mm (inch)	Discharge in LPM						
		KW	HP		1600	1800	2150	2400	2750	3000	3200
					Total Head in Metres						
D1Q12.5	1	9.3	12.5	150 (6")	20	19	17	16	14	12	10
D2Q25	2	18.6	25.0	150 (6")	40	38	34	32	28	24	20
D3Q40	3	29.8	40.0	150 (6")	60	57	51	48	42	36	30
D4Q50	4	37.3	50.0	150 (6")	80	76	68	64	56	48	40

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

OPENWELL SUBMERSIBLE MONOSET PUMPS (OW SERIES)



Features :

- Stainless steel Shaft- No Corrosion Low wear.
- Thrust Bearing- Carbon v/s SS- Low wear High Efficiency.
- Efficient Motor design to give optimum output with Low Power Consumption.
- Stamping Lamination:- High permeability steel with long life, and increased efficiency.

Application

- Farm irrigation
- Drinking water supplies.
- Drip irrigation.
- Sprinkler irrigation.

Technical Specification for Openwell Submersible Pumpset

TYPE	OW/OS SERIES
Rated Voltage	415V for 3 Phase, 225V for 1 Phase
Voltage Range	300-415 for 3 Phase , 180-240V for 1 Phase
Frequency	50 Hz
Duty	S1
Output KW	0.37 to 2.2 for 1 Phase, 1.1 to 22 for 3 Phase
Output HP	0.5 to 3 for 1 Phase, 1.5 to 30 for 3 Phase
Approximate Speed (RPM)	2800
Connection	STAR upto 7.5HP, STAR DELTA from 10HP & above
Pipe Size	For 1 Phase 32 to 50 MM, for 3 Phase 32 to 100 MM
Min Submergence (mtr)	1.5

Material of Construction

Sr.No.	Pump Component	Material
1	Motor Body	Cast Iron
2	Shaft	Stainless Steel
3	Impeller	Cast Iron
4	Volute	Cast Iron
5	Oil Seal	Rubber
6	Bush	Bronze
7	Thrust Pad	Stainless Steel

Rating	Motor kW (HP)	Pipe size Del (mm)	Total Head in Metres															
			6	9	10.5	12	13.5	15	18	19.5	21	24	25.5	27	28.5	30	33	36
			Discharge in LPM															
OWHD052-14	0.37 (0.5)	25	180	140	125	105	85	55										
OWHD052-18	0.37 (0.5)	25		125	115	105	95	85	60	40								
OWHJ12-20	0.75 (1.0)	40	360	315	295	270	250	255	180	160	100							
OWHE12-30	0.75 (1.0)	32								155	140	115	100	90	75	60		
OWG1.52#	1.1 (1.5)	32						270	245	230	220	185	165	130	85	35		
OWK22#	1.5 (2.0)	40			315	305	295	285	265	255	245	220	205	185	155	110		
OWM22#	1.5(2.0)	50		475	450	430	405	375	310	250	130							
OSNH32#	2.2 (3.0)	50							590	550	500	390	320	250				
OSN32#	2.2 (3.0)	50		740	700	660	630	590	500	450	400	210						
OSO32#	2.2 (3.0)	65			830	800	765	720	580	480	360							
OSS32#	2.2 (3.0)	100	1180	950	850	675	300											
OSNH52	3.7 (5.0)	50					890	850	810	750	730	600	580	520	490	475	375	200
OSO52	3.7 (5.0)	65				840	820	800	750	720	680	570	510	400	240			
OSP52	3.7 (5.0)	65			1280	1220	1160	1080	940	850	750	450						
OSQ52	3.7 (5.0)	80		1400	1280	1220	1160	1080	940	850	750	450						
OSS52	3.7 (5.0)	100	1550	1350	1270	1160	1080	940	450									

Also available in 1 (PH)

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

Approximate Performance Chart at 2880 RPM Syn. Speed, 415Volts, 3PH, 50Hz, AC Supply

Rating	Motor kW (HP)	Pipe size Del. (mm)	Total Head in Metres															
			10.5	12	13.5	15	18	19.5	21	24	25.5	27	28.5	30	33	36	39	
			Discharge in LPM															
OSQ7.52	5.5 (7.5)	100							1250	1200	1075	975	900	800	700	400		
OSP7.52	5.5 (7.5)	65								1000	975	960	930	900	850	770	580	
OSR 7.52	5.5 (7.5)	75		1650	1550	1450	1275	1175	1075	875	775	600						
OSS 7.52	5.5 (7.5)	100	1750	1650	1575	1475	1325	1200	1100	550								
OSPH 10.2	7.5 (10.0)	65							1320	1310	1290	1260	1240	1210	1180	1060	940	740
OSR10.2	7.5 (10.0)	75				1850	1725	1650	1600	1450	1375	1275	1200	1125	700			
OSS 10.2	7.5 (10.0)	100		2000	1950	1900	1800	1725	1650	1475	1400	1250	850					
OSS 12.52	9.3 (12.5)	100							2150	2100	1925	1850	1800	1700	1600	1300		
OSS 15.2	11.0 (15.0)	100							2300	2225	2100	2050	1970	1900	1800	1500	1250	

Approximate Performance Chart at 2880 RPM Syn. Speed, 415Volts, 3PH, 50Hz, AC Supply

Rating	Motor kW (HP)	Pipe size Del. (mm)	Total Head in Metres																					
			24	25.5	27	28.5	30	33	36	39	42	45	48	51	54	57	60	63	66	69	72	75	78	
			Discharge in LPM																					
OSNH 10.2	7.5 (10.0)	50						675	650	625	600	575	500	400	200									
OSPH -12.52	9.3 (12.5)	65				1200	1175	1125	1060	950	810	650	480											
OSNH -15.2	11.0 (15.0)	50												540	520	500	480	460	440	420	380	340	280	
OSPH -15.2	11.0 (15.0)	65					1270	1220	1160	1120	1025	900	780	550										
OSR -15.2	11.0 (15.0)	75	1950	1900	1825	1750	1700	1600	1400	1200	900													
OSPH -17.52	13.0 (17.5)	65				1425	1400	1340	1280	1170	1050	900	680	500										
OSPH -20.2	15.0 (20.0)	65							1425	1375	1325	1260	1200	1150	1075	950	825							
OSR -20.2	15.0 (20.0)	75					1850	1750	1650	1525	1400	1200	1000	800										
OSPH -25.2	18.5 (25.0)	65										1525	1475	1375	1300	1200	1075	975	850	675	575			
OSR -25.2	18.5 (25.0)	75						2100	1975	1850	1750	1650	1525	1400										
OSPH -30.2	22.0 (30.0)	65											1650	1600	1550	1475	1380	1300	1200	1080	970	850	700	500
OSR -30.2	22.0 (30.0)	75						2200	2125	2025	1925	1825	1700	1575	1425	1275	1100							

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

OPENWELL SUBMERSIBLE MONOSET PUMPS (SHO-AM/SWD SERIES)



Features :

- Easy installation and low operating cost
- Motors are fitted with gun metal bushes
- All internal parts are coated with primer to avoid corrosion
- The thrust bearing are carbon v/s ss for low wear & high efficiency
- Provided with high quality bend & strainer.

Application

- Domestic Water Supply
- Car Washing
- Farms & Gardens
- Water Supply In Hotels, Flats, Garages

Technical Specifications:

TYPE	SHO-AM SERIES
Rated Voltage (volts)	220
Voltage Range (volts)	180 - 240
Phase	1 PH
Frequency (hz.)	50
Duty	S1
Hp	0.5 to 1.0
Kw	0.37 to 0.75
Nominal Speed (Rpm)	2800
Head Range (m)	Upto 30 mtrs.
Pipe Size: Suc. X Del.(mm)	25 x 25 / 32 x 25
No. of Stages	1

Material of Construction

Sr No.	Pump Component	Material
1	Motor Body	Stainless Steel
2	Shaft	Stainless Steel
3	Impeller	Noryl
4	Volute	Cast Iron
5	Oil Seal	Rubber
6	Thrust Pad	Stainless Steel
7	Bush	Gun Metal

Approximate Performance Chart at 2880 RMP, 180-240 Volts, 1PH, 50 Hz, AC Supply.

MODEL NAME	MOTOR RATING		PIPE SIZE IN MM	Total Head in Metres												
				6	10	12	14	15	18	20	21	24	27	30		
	KW	HP		Discharge in LPM												
SHODL052SAM-14	0.37	0.5	25 X 25	180	140	110	80									
SHODL052SAM-18	0.37	0.5	25 X 25		135	120	105	100	80	40	24					
SHOJL12SAM-20	0.75	1.0	40 x 40	360	310	280	250	235	185	150						
SHOEM12SAM-30	0.75	1.0	32 x 25						130	125	120	105	85	60		

RATING	MOTOR		PIPE SIZE	Total Head in Metres									
				9	12	15	18	21	24	27	30		
	KW	HP		Discharge in LPM									
SWD0.5/1	0.37	0.5	25 x 25	130	121	100	79	24					
SWD 1.0/1	0.75	1.0	32 x 25		150	140	130	120	105	85	60		

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

OPENWELL SUBMERSIBLE MONOSET PUMPS (SHO-AQ SERIES)



Features

- Monoset Construction
- Robust design suitable for adverse conditions
- Motor body made of CI construction for sturdiness and long life
- Fitted with SS sleeves and thrust bearing for longer life
- Motor is water lubricated and fitted with good quality of Oil seal
- Dynamically balanced rotor and Impellers for long life

Application

- Farm irrigation
- Drinking water supplies
- Drip irrigation
- Sprinkler irrigation

Material of Construction

Sr No.	Pump Component	Material
1	Motor Body	Cast Iron
2	Shaft	Stainless Steel
3	Impeller	Graded Cast Iron
4	Volute	Graded Cast Iron
5	Oil Seal	Rubber
6	Bush	Gun Metal
7	Thrust Pad	Stainless Steel

Technical Specifications:

TYPE	SHO-AQ Series
Rated Voltage (volts)	350
Voltage Range (volts)	300 - 400
Phase	3 PH
Frequency (hz.)	50
Duty	S1
Hp	3.0 to 7.5
Kw	2.20 to 5.5
Nominal Speed (Rpm)	2800
Head Range (m)	Upto 43
Pipe Size: Suc. X Del.(mm)	65 x 50 / 80 x 65
No. of Stages	1

Approximate Performance Chart at 2880 RMP, 380-415 Volts, 3PH, 50 Hz, AC Supply.

MODEL NAME (CG)	MOTOR RATING		PIPE SIZE IN mm	Total Head in Metres													
	KW	HP		10	15	18	20	22	24	26	28	30	32	34	36	40	43
SHONL32TAQCI	2.2	3.0	65 X50	715	550	450	350										
SHONM32TAQCI	2.2	3.0	65 X50			580	515	440	380	275							
SHONM52TAQCI	3.7	5.0	65 X50			830	750	700	570	475	315						
SHONM52TAQCI34	3.7	5.0	65 X50				900	860	810	740	700	600	550	470	300		
SHOPL52TAQCI	3.7	5.0	75 X65		1050	935	750	700	550								
SHONM752TAQCI	5.5	7.5	65 X50									540	515	440	370	240	

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

TWO STAGE OPENWELL SUBMERSIBLE MONOSET PUMPS (SHO-AD SERIES)



Features

- Monoset Construction.
- Robust design suitable for adverse conditions.
- Motor body made of CI construction for sturdiness and long life.
- Fitted with SS sleeves and thrust bearing for longer life.
- Motor is water lubricated and fitted with good quality of Oil seal.
- Dynamically balanced rotor and Impellers for long life.

Application

- Farm irrigation
- Drinking water supplies.
- Drip irrigation.
- Sprinkler irrigation.

Material of Construction

Sr No.	Component	Material
1	Motor Body	Cast Iron
2	Motor Stamping	M47
3	Motor /Pump Shaft	SS410
4	Impeller	SS Cast
5	Volute	CI

Technical Specification of Openwell Submersible Pumpset

TYPE	SHO-AD Series
Rated Voltage (volts)	225
Voltage Range (volts)	180 - 240
Phase	1 PH
Frequency (hz.)	50
Duty	S1
Hp	1.5 to 2.0
Kw	1.2 to 1.5
Nominal Speed (Rpm)	2850
Head Range (m)	Upto 50
Pipe Size: Suc. X Del.(mm)	40 x 40
No. of Stages	2

Approximate Performance Chart at 2880 RMP, 180-240 Volts, 1PH, 50 Hz, AC Supply.

Rating	Motor		Pipe Size in mm	Total Head in Metres							
	KW	HP		15	20	25	30	35	40	45	50
SHOJ12M1.52SAD	1.2	1.5	40 x 40	170	145	130	110	80	40		
SHOJ12H22SAD	1.5	2.0	40 x 40		175	160	155	135	110	80	20

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

VERTICAL OPENWELL SUBMERSIBLE PUMPS (CGVOS SERIES)



Features

- Easy Maintenance and spares availability.
- Motor can withstand voltage fluctuations (250-415 Volts).
- Robust construction and reduced noise level.
- Class-B Insulation.
- Replaceable parts so it has longer life.

Application

- Farm irrigation
- Drinking water supplies.
- Drip irrigation.
- Sprinkler irrigation.

Material of Construction

Sr. No	Part Name	Material
1	Motor Body	Grey cast iron (C.I – F.G 200)
2	Upper housing	Grey cast iron (C.I – F.G 200)
3	Pump shaft	S.S 410
4	Motor shaft	S.S 420
5	Impeller	Grey cast iron (C.I – F.G 200)
6	Bowl	Grey cast iron (C.I – F.G 200)
7	Oil Seal	Nitrile Butile Rubber

MODEL	Diffuser MOC
CGVOS2T25-3	Noryl
CGVOS3T25-5	Noryl
CGVOS4T25-7.5	Noryl
CGVOS5T25-10	Noryl
CGVOS6T25-10	Noryl
CGVOS2T30-5	Cast Iron
CGVOS3T30-7.5	Cast Iron
CGVOS4T30-10	Cast Iron

Technical Specification

Voltage Range	250 V to 415 V
Phase	Three Phase
Duty	S1
Speed in RPM	2900
Frequency in Hz	50
Liquid Temp	35 Degree Cel

APPROXIMATE PERFORMANCE CHART AT 2880 RPM, 380 - 415 VOLTS THREE PHASE, 50 Hz, A.C. SUPPLY

MODEL	MOTOR RATING KW	HP	STAGE	OUTLET (mm)	Discharge in LPM									
					0	125	170	210	250	300	340	400	450	520
					Total Head in Metres									
CGVOS2T25-3	2.2	3.0	2	50	41	38	37	36	35	32	29	26	21	15
CGVOS3T25-5	3.7	5.0	3	50	62	57	56	55	52	48	44	38	32	22
CGVOS4T25-7.5	5.5	7.5	4	50	82	76	75	73	69	64	58	51	42	29
CGVOS5T25-10	7.5	10.0	5	50	103	95	93	91	87	80	73	64	53	37
CGVOS6T25-10	7.5	10.0	6	50	124	114	112	109	104	96	87	77	63	44

MODEL	MOTOR RATING KW	HP	STAGE	OUTLET (mm)	Discharge in LPM									
					0	200	250	290	340	420	480	550	600	700
					Total Head in Metres									
CGVOS2T30-5	3.70	5.00	2	65	45	43	42	41	39	36	33	30	26	19
CGVOS3T30-7.5	5.50	7.50	3	65	67	64	63	61	58	54	50	44	38	28
CGVOS4T30-10	7.50	10.00	4	65	89	86	84	81	77	73	66	59	51	37

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

SINGLE PHASE CENTRIFUGAL MONOSET PUMPS - MA SERIES



Features:

- Monoset Construction
- Totally enclosed Fan Cooled motor
- Aluminium extruded body
- Excellent performance at low voltage

Applications

- small farms • lawn sprinklers
- Agricultural usage
- Drip irrigation • Sprinkler irrigation
- Small farms
- Lawn sprinklers

Material of Construction

Sr No.	Items	Material
1	Motor Body	Aluminium Extruded
2	Stamping	M 47 Electrical Grade
3	Rotor	Aluminium Die Cast
4	Bearing	High Quality Ball Bearing
5	Impeller	Graded CI
6	Sealing	Mech. Seal

Technical Specifications:

TYPE	MAD052	MADL052	MAM12	MAQ12	MAM12LV	MAQ12LV	MAN1.52	MAN1.52LV	MAN1.52(I)	MAJ052	MAJ052LV
Rated Voltage (volts)	220	220	220	220	180	180	220	180	180	220	180
Voltage Range (volts)	180 - 240	180 - 240	180 - 240	180 - 240	100 - 180	100 - 180	180 - 240	100 - 180	100 - 180	180 - 240	100 - 180
Phase	1 PH	1 PH	1 PH	1 PH	1 PH	1 PH	1 PH	1 PH	1 PH	1 PH	1 PH
Frequency (hz.)	50	50	50	50	50	50	50	50	50	50	50
Duty	S1	S1	S1	S1	S1	S1	S1	S1	S1	S1	S1
Kw	0.37	0.37	0.75	0.75	0.75	0.75	1.5	1.5	1.5	0.37	0.37
Hp	0.50	0.50	1.00	1.00	1.00	1.00	1.1	1.1	1.1	0.50	0.50
Nominal Speed (Rpm)	2880	2880	2880	2880	2880	2880	2880	2880	2880	2880	2880
Head Range (m)	Upto 22	Upto 15	Upto 12	Upto 9	Upto 12	Upto 9	Upto 14	Upto 14	Upto 14	Upto 12	Upto 12
Pipe Size: Suc. X Del.(mm)	25 x 25	25 x 25	50 x 50	80 x 80	50 x 50	80 x 80	65 x 50	65 x 50	65 x 50	40 x 40	40 x 40

Approximate Performance Chart for single phase centrifugal Monoset Pumps

MODEL	Power		PIPE SIZE	Total Head in Metres								
	KW	HP		mmxmm	5	7	9	11	13	15	17	20
	Discharge in LPM											
MAD052	0.37	0.5	25x25				120	115	110	80	45	20
MADL052	0.37	0.5	25x25		110	90	70	50	40			
MAJ052/LV	0.37	0.5	40x40		275	240	155	80				
MAM12/LV	0.75	1.0	50x50		400	380	280	200				
MAQ12/ LV	0.75	1.0	80x80	775	510	367						
MAN1.52 / MAN1.52LV / MAN1.52(I)	1.10	1.5	65x50		550	530	470	400	380			

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

THREE PHASE CENTRIFUGAL MONOSET PUMPS LMA-AA SERIES (LV)



Special Design Features : A Closer Look

- Uni-casing construction
- Separate base plate and coupling / coupling guard not required
- Flat performance curves at high delivery rates, to prevent motor overloading even during prolonged use
- Good Suction capacities at both low and high delivery rates
- Suitable for horizontal mounting with top central discharge
- Reduced numbers of parts with space saving innovative construction

Applications and Services

For Small / Medium size Town

- Domestic water supply
- Hotels, Buildings, Apartments, Hospitals
- Gardening
- Small farms, agriculture
- Public water supply schemes
- Lift Irrigation Schemes
- Drip and Sprinkler Irrigation Schemes
- Booster application
- Construction sites

Material of Construction

Sr No.	Items	Material
1	Motor Body	Cast iron
2	Stamping	M 47 Electrical Grade
3	Rotor	Aluminium Die Cast
4	Bearing	High Quality Ball Bearing
5	Impeller	Cast Iron
6	Sealing	Gland Packing

Technical specifications of LMA-AA Series:

TYPE	LMA-AA Series
Rated Voltage (volts)	350
Voltage Range (volts)	250-400
Phase	3 PH
Frequency (hz.)	50
Duty	S1
Kw	2.2 to 7.5
Hp	3 to 10.0
Nominal Speed (Rpm)	2850
Head Range (m)	Upto 60
Pipe Size: Suc. X Del.(mm)	65X50/ 80X65

Approximate Performance Chart for Three Phase Centrifugal Monoset Pumps

Sr. No.	Model	Pie Size mmxmm	Power		Total Head in Metres															
					KW	HP	12	15	18	21	24	27	30	34	36	40	45	50	55	60
							Discharge in LPM													
1	LMANL32TAA	65 x 50	2.2	3.0		500	450	380	310	250										
2	LMAPL32TAA	80 x 65	2.2	3.0	825	700	550													
3	LMAPL52TAA	80 x 65	3.7	5.0		920	850	750	600	450										
4	LMANM52TAA	65 x 50	3.7	5.0				690	570	450	350									
5	LMANM752TAA	65 x 50	5.5	7.5						675	660	600	560	400						
6	LMAPL752TAA	80 x 65	5.5	7.5		1100	1000	920	820	720	600									
7	LMANM102TAA	65 x 50	7.5	10.0											550	500	400	300		
8	LMAPM102TAA	80 x 65	7.5	10.0						1300	1200	1160	1120	920						

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

SINGLE PHASE CENTRIFUGAL MONOSET PUMPS SMA-AA & LMA-AA SERIES (1PH & LV)



Features:

- Monoset Construction
- Totally enclosed Fan Cooled motor
- Cast Iron Motor Body
- Excellent performance at low voltage

Applications

- Small farms • Lawn sprinklers
- Ornamental fountains
- Water circulation in solar heater systems
- Auxiliary equipment for machinery
- Sprinkler / Drip Irrigation

Significant Benefits

- **Superior Pump Performance**
 - Compact and Innovative Monoset Design
 - Quick and easy mounting
 - Inbuilt self venting arrangement
 - Excellent hydraulic and overall efficiency
 - High reliability
 - Vibration free stable performance
 - Quiet running

Technical Specifications of SMA-AA, LMA-AA Series Monobloc Pumps:

TYPE	SMA-AA	LMA-AA
Rated Voltage (volts)	225	170
Voltage Range (volts)	190-240	140-180
Phase	1 PH	1 PH
Frequency (hz.)	50	50
Duty	S1	S1
Hp	2.00	2.00
Kw	1.5	1.5
Nominal Speed (Rpm)	2850	2850
Head Range (m)	12 to 20	12 to 20
Pipe Size: Suc. X Del.(mm)	65X50, 50X50	65X50, 50X50

Material of Construction

Sr No.	Pump Component	Material
1	Motor Body	Cast Iron
2	Stamping	M-47 Electrical Grade
3	Rotor	Aluminium Die Cast
4	Bearing	High Quality Ball Bearing
5	Impeller	Cast Iron
6	Sealing	Mechanical Seal

Approximate Performance Chart for Single Phase Centrifugal Monoset Pumps

Models	Pipe Size Suc.XDel. mm	Motor Rating		Total Head in Meters				
				12	15	18	19	20
		KW	HP	Discharge In LPM				
SMANL22SAA	65X50	1.5	2.0	550	500	400	300	200
SMANL22IAA	65X50	1.5	2.0					
SMAML22SAA	50X50	1.5	2.0					
SMAML22IAA	50X50	1.5	2.0					
LMANL22SAA	65X50	1.5	2.0					
LMAML22SAA	50X50	1.5	2.0					

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

CENTRIFUGAL MONOSET PUMPS

MB SERIES



Standard Specifications

- **Range :** (3PH) - 0.75 KW to 22.0 KW (1.0HP to 30.0 HP).
- **Supply :** 415 V, 50Hz, 3 phase AC
- **Pipe size :** 40 x 32 mm to 150 x 150 mm.
- **Operating Temperature :** Suitable upto 65°C water.
- **Total head :** Upto 75 metres.
- **Capacity :** Upto 4246 LPM.
- **Liquid :** Clear Water.
- **Rotation :** Clockwise as viewed from motor end.

Features

- Monoset construction.
- Wide range to suit a variety of requirements.
- Wide voltage band and suitability for operating at low voltages.
- High efficiency, less power consumption.
- Pumps with stainless steel sleeve for less shaft wear.
- Trouble free operations with low maintenance.
- Compact size, less space.
- Robust design suitable for adverse conditions.
- Sealing - Gland packing

Applications

- Irrigation • Buildings, bungalows
- Sprinkler and drip irrigation
- Lift irrigation • Construction sites
- Hotels, dairies, hospitals
- Gardens, small farms
- Ornamental fountains • Industries

Electric Motor

- TEFC, SCR, 2 or 4 Pole (3000 or 1500 RPM Syn. Speed).
Electric Motor for 415V, 50Hz, 3 phase AC supply.

Performance at Rated Voltage & 50 Hz. 3 Phase Ac Power Supply

Three Phase High Speed Monoblocks

Rating	Pipe Size Suc.x Del. (mm)	MOTOR KW HP		Total Head in Metres											
				6	9	12	15	18	21	24	27	30	33	36	
MBG12 (3PH)	40 x 32	0.75	1.0		175	165	150	130	100	85 at 22.5 metres					
MBJL12(3PH)	40 x 40	0.75	1.0		300	250	200	165 at 16.5 metres							
MBK12	50 x 40	0.75	1.0		380	300	200								
MBML12(3PH)	50 x 50	0.75	1.0	400	340	225									
MBG1.52	40 x 32	1.1	1.5				175	160	140	115	80	50 at 28.5 metres			
MBK22	50 x 40	1.5	2.0		430	405	335	200							
MBKH22	50 x 40	1.5	2.0				190	170	145	110					
MBN22	65 x 50	1.5	2.0			500	470	390	275						
MBK32/MBK32LF	50 x 40	2.2	3.0				450	425	375	285	150				
MBKS32	50 x 40	2.2	3.0							250	230	205	170	110	
MBNL32FS#	65 x 50	2.2	3.0			725	580	410	300 at 19.5 metres						
MBN32#/MBN32LF	65 x 50	2.2	3.0				525	450	375	275	165 at 25.5 metres				
MBP32FS#	80 x 65	2.2	3.0	1100	990	800	470								
MBQ32#	80 x 80	2.2	3.0	1130	1020	810	500								
MBNH52FS	65 x 50	3.7	5.0				825	755	665	545	410	250			
MBP52FS	80 x 65	3.7	5.0				850	775	620	450					
MBQ52	80 x 80	3.7	5.0	1500	1390	1275	1140	980	700						
MBS52	100 x 100	3.7	5.0	1850	1700	1460	1040								
MBP7.52FS	80 x 65	5.5	7.5					1080	970	825	650				
MBS7.52	100 x 100	5.5	7.5		1680	1540	1370	1170	840						
MBR10.2	100 x 80	7.5	10.0						1400	1200	980	700			
MBS10.2	100 x 100	7.5	10.0				1850	1740	1600	1450	1250	900			
MBR12.52	100 x 80	9.3	12.5						1750	1610	1460	1270	1000		
MBS12.52	100 x 100	9.3	12.5					2030	1900	1770	1600	1320	750		
MBS15.2	100 x 100	11.0	15.0					2140	2040	1930	1820	1660	1445	1150	
MBW10	150 x 150	7.5	10.0	4246	3550	2500	2020 at 13 metres								
MBU20.2	125 x 125	15.0	20.0	2890	2830	2820	2760	2640	2580	2300	1920	920			

- Also available in single phase

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

Three Phase Slow Speed Monoblocks

Rating	Pipe Size Suc.x Del. (mm)	MOTOR		Total Head in Metres					
		KW	HP	6	9	12	15	18	
				Discharge in LPM					
MBNH3	65 x 50	2.2	3.0			575	480	325	200 at 19.5 metres
MBP5	80 x 65	3.7	5.0		1270	1135	880	660 at 16.5 metres	
OMBR5	100 x 80	3.7	5.0	1900	1600	1000	600 at 13.5 metres		
OMBS5	100 x 100	3.7	5.0	1900	1700	1150	600 at 13.5 metres		
OMBR7.5	100 x 80	5.5	7.5			1750	1470	700	
OMBS7.5	100 x 100	5.5	7.5		2050	1980	1600		

Three Phase High Speed Monoblocks

Rating	Pipe Size Suc.x Del. (mm)	MOTOR		Total Head in Metres																			
		KW	HP	21	24	27	30	33	36	39	42	45	48	51	54	57	60	63	66	69	72	75	
				Discharge in LPM																			
MBK52	50 x 40	3.7	5.0		455	415	375	330	280	200													
MBKS52	50 x 40	3.7	5.0						260	240	215	190	160	120									
MBNS52	65 x 50	3.7	5.0					400	345	280	200												
MBK7.52	50 x 40	5.5	7.5					450	420	395	365	335	300	260	200								
MBN7.52	65 x 50	5.5	7.5		780	725	650	550	400	320 at 37.5 metres													
MBNH7.52	65 x 50	5.5	7.5			680	625	570	510	425	300												
MBN+7.52	65 x 50	5.5	7.5	545	525	500	495	470	455	420	400	320	270	140									
MBNH10.2	65 x 50	7.5	10.0									550	520	480	430	370	300						
MBP10.2	80 x 65	7.5	10.0		1150	1075	980	880	750	550													
MBPH10.2	80 x 65	7.5	10.0		1150	1100	1020	920	800	640	400												
MBP12.52	80 x 65	9.3	12.5	1250	1245	1240	1220	1170	1110	1010	870	670											
MBN15.2	65 x 50	11.0	15.0											550	530	510	485	460	435	400	360	310	
MBP15.2 FS	80 x 65	11.0	15.0		1480	1420	1360	1290	1220	1140	1050	950	840	700									
MBR15.2	100 x 80	11.0	15.0		1875	1750	1615	1460	1235	1000													
MBR20.2	100 x 80	15.0	20.0				2000	1900	1770	1600	1400	1100											
MBR25.2	100 x 80	18.5	25.0											1500	1400	1260	1080	800					
MBR30.2	100 x 80	22.0	30.0											1700	1640	1560	1460	1310	1140	640	400		

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

CENTRIFUGAL MONOSET PUMPS

MBG Series



Features

- Monoset construction.
- High quality and long life mechanical seal.
- Totally enclosed fan cooled motor for better safety.
- Unique Motor design capacitor start and run (PSC) type eliminating centrifugal switch.
- Graded cast iron motor body.

Standard Specifications

- **Range** : 0.37 KW to 1.5KW (0.5 to 2.0 HP).
- **Supply** : 225 Volts, 50 Hz, 1 phase AC
- **Pipe size** : 25 x 25 mm to 80 x 80 mm.
- **Total head** : Upto 33 metres.
- **Capacity** : Upto 930 LPM.
- **Liquid** : Clear water.
- **Rotation** : Clockwise as viewed from motor end.
- **Operating temperature** : Suitable upto 65°C water.

Electric Motor

- Totally Enclosed Fan Cooled, 2 pole (3000 RPM Syn. Speed) Electric Motor for 1 phase 225 Volts 50 Hz, AC supply.
- Special motor with different enclosure, supply voltage, frequency and ambient temperature can be offered on request.

Applications

- Bungalows, buildings, flats, hotels, garages, laundries and industries.
- Car washing.
- Booster application.
- Small farms.
- Lawn sprinklers.
- Ornamental fountains.
- Water circulation in solar heater systems.
- Auxiliary equipment for machinery.

Rating	Motor		PIPESIZE Suc.x Del. (mm)	Total Head in Metres									
	KW	HP		6	9	12	15	18	21	24	27	30	33
			Discharge in LPM										
MBE052	0.37	0.5	32 x 25		80	65	50	35	25 at 19.5 metres				
MBJ052LVSF	0.37	0.5	40 x 40	210	190	140	80 at 13.5 metres						
MBD12	0.75	1.0	25 x 25						90	70	30		
MBDL12A* (1PH)	0.75	1.0	25 x 25			82	81.5	81	80.5	79	71	45	
MBE12 (1PH)	0.75	1.0	32 x 25					90	85	70	30		
MBG12	0.75	1.0	40 x 32		175	165	150	130	100	85 at 22.5 metres			
MBJ12	0.75	1.0	40 x 40		175	165	150	130	100	85 at 22.5 metres			
MBJL12	0.75	1.0	40 x 40		300	250	200	165 at 16.5 metres					
MBK12 (1PH)	0.75	1.0	50 x 40		380	300	200						
MBM12 (1 PH)	0.75	1.0	50 x 50		300	250	160						
MBML12 (1PH)	0.75	1.0	50 x 50	400	340	225							

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

Performance at Rated Voltage & 50 Hz. 1 Phase Ac Power Supply

Rating	Motor		PIPESIZE	Total Head in Metres										
	KW	HP		Suc.x Del. (mm)	6	9	12	15	18	21	24	27	30	33
			Discharge in LPM											
MBJ12	0.75	1.0	40 x 40			140	125	90	60 at 19.0 metres					
MBM12(1PH)LV/(I)	0.75	1.0	50 x 50		245	220	120							
MBK1.52C (1PH)	1.1	1.5	50 x 40		410	310	150							
MBKH1.52C (1PH)	1.1	1.5	50 x 40			360	300	100						
MBKS1.52C (1PH)	1.1	1.5	50 x 40				175	160	140	130	100	80	50	
MBM1.52C	1.1	1.5	50 x 50		430	355	250	160 at 16.5 metres						
MBG1.52 (1PH)	1.1	1.5	40 x 32				175	160	140	115	80	50 at 28.5mtrs.		
MBQ1.52(1PH)LV	1.1	1.5	80 x 80	900	680	420								
MBK22 (1PH)	1.5	2.0	50 x 40		410	395	355	310	250	200				
MBJ22	1.5	2.0	40 x 40							210	190	160	130	
MBP22 (1PH)	1.5	2.0	80 x 65	910	760	550	380 at 13.5 metres							
MBQ22(1PH)/(I)	1.5	2.0	80 x 80	930	780	570	400 at 13.5 metres							
MBP22(1PH)LV/(I)	1.5	2.0	80 x 65	700	460	250 at 11.0 metres								
MBQ22(1PH)LV	1.5	2.0	80 x 80	720	470	260 at 11.0 metres								

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



PETROL START KEROSENE RUN ENGINE PUMPSETS

Features

- Crompton Greaves Portable Engine pumpset is the lightest. They are also compact and can be carried easily to any place.
- With durable components and indigenous technology, Crompton Greaves Portable Engine pumpsets need minimal maintenance
- Crompton Greaves Portable Engine pumpsets are manufactured by adaption of the latest technology in manufacturing ensures that pumpsets always perform reliably and continuously

SR. NO	CAT REF	DESCRIPTION	ENG HP
1	CKEM1.5G-VX	1.5 HP 50X 50 MM PSKR ENG P/SET	1.5
2	CKEM2G	2 HP 50X 50 MM PSKR ENG P/SET	2
3	CKEM2SP	2 HP 50X 50 MM PSKR SELF PRIMING ENG P/SET	2
4	CKEN3G	3 HP 65 X 50 MM PSKR ENG P/SET	3
5	CKEP3G	3 HP 75 X 65 MM PSKR ENG P/SET	3
6	CKEQ3SP- VX	3 HP 75 X 75 MM SELF PRIMING PSKR ENG P/SET	3

Technical Specifications:

PSKR Engine Specifications			
Model	CKEM1.5G-VX	CKEM2G & CKEM2SP	CKEN3G,CKEP3G & CKEQ3SP-VX
Type	4 stroke, Single Cylinder, Air cooled, Side valve engine		
Fuel (Starting Fuel)	Kerosene (Petrol)	Kerosene (Petrol)	Kerosene (Petrol)
No. of Cylinder	One		
Bore x Stroke (mm)	55 x 50	62 x 43	68x53
Total Displacement (cc)	118	129	192
Continuous HP	1.5@3000rpm	2@3600rpm	3.1@3600rpm
Max. Torque (Nm)	5.8@2800rpm	4.6@2000rpm	9.0@3200rpm
Compression Ratio	4.5:1	4.8:1	4.8:1
Weight (kg)	17	14	18
Ignition Timing	28 BTDC	25 BTDC	
Ignition System	Transistorized Ignition System		
Fuel Tank Capacity (lt)	2.25 (Kerosene) + 0.5 (Petrol)	2.5 (Kerosene) + 0.25 (Petrol)	3.5 (Kerosene) + 0.5 (Petrol)
Specific Fuel Consumption-SFC (gm / kW hr)	700	525	550
Lubrication Method	Forced Splashing		
Engine Oil	SAE 20W40		
Sump Capacity (ml)	570	500	700
Starting Method	Rope and Pulley (Recoil Optional)	RCS (Recoil)	
Direction Of Rotation	Counter clock wise		

Approximate Performance Chart

SR NO	Model Name	ENG HP	Suc X Del Size MM	Nominal Speed	EFFI. %	Total Head in Metres													
						5	6	8	10	11	12	13	14	15	16	18	19	20	
						Discharge in LPM													
1	CKEM1.5G-VX	1.5	50 X 50	3000	60		450	400	350	325	270	200							
2	CKEM2G	2	50 X 50	3600	58				425	400		350		255	200				
3	CKEM2SP	2	50 X 50	3600		450			330					190					30
4	CKEN3G	3	65 X 50	3600	63						600		525		432	300	200		
5	CKEP3G	3	75 X 65	3600	65			855	780		650	540	400						
6	CKEQ3SP- VX	3	75 X 75	3600	50				725		650		570		500	400			300

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

DIESEL ENGINE PUMPSETS



Diesel Engine Pumpset

Features:

- Excellent efficiency High discharge rate consuming less diesel.
- Extremely simple construction - Easy for maintenance, easy gland packing replacement, suitable for direct drive with engine.
- Shaft is of high carbon steel, ground accurately and ample size - can transmit maximum power without vibrations.
- Bearing Housing - Sturdy and robust construction to give long continuous service - fitted with bronze bearing bush and ball bearing, both ample size to withstand all operating conditions.
- Low NPSH requirement - Highest suction lift. Can suck water from depths as low as 9 meters.
- C.I. Components of higher grade - Much higher mechanical strength.
- Central Delivery - No air release cock required - No need to go down in the well to release air.
- Back pull out design - No need to disturb piping while maintenance and servicing.

Ratings	Specifications
D.ENGINE PUMP SET	
DEP5	5HP 1500RPM WC HEAVY WT 80X65mm
DES5	5HP 1500RPM WC HEAVY WT 100X100mm
DES6.5	6.5 HP 1500RPM WC HEAVY WT 100X100 P/SET
DES8	8HP 1500RPM WC HEAVY WT 100X100mm
DES8AIR	8 HP 1500RPM AC HEAVY WT 100X100 P/SET
DENL3.5	3.5HP 1500RPM WC PORTABLE 65X50mm
DEPL3.5AIR	3.5 HP 1500RPM AC PORTABLE 80X65MM P/SET
DEPL5	5HP 2200RPM WC PORTABLE 80X65mm
DEPL5AIR	5HP 1500 RPM AC PORTABLE 80X65 MM P/SET
DEPL5M	5HP 1500RPM WC PORTABLE 80X65mm
DEPL5M8	5HP 1500 RPM WC PORTABLE 8 LTRS 80X65MM P/SET
DEPL6.5	6.5HP 1800RPM WC PORTABLE 80X65mm
DEPLH8	8HP 2200RPM WC PORTABLE 80X65mm

PERFORMANCE CHART																													
RATINGSHP		PIPE SIZE	SPEED	HEAD IN METRES																									
				5	6	7	8	10	11	12	14	16	18	20	22	24	26	28	30										
		in mm	DISCHARGE IN LPM																										
DENL3.5	3.5	65 X 50	1500					800	700	620																			
DEPL3.5AIR	3.5	65 X 50	1500					840	700	615																			
DEP5	5.0	80 X 65	1500				1560	1350		1260	1170	1020	540																
DES5	5.0	100 X 100	1500	1800	1740			1350	1260	1140																			
DEPL5/ DEPL5AIR	5.0	80 X 65	2200					1050	1020	990	960	870	780	600															
DEPL5M/ DEPL5M8	5.0	80 X 65	1500					1440	1380	1320	1290	960	480																
DEPL6.5	6.5	80 X 65	1800					1080	1050	1020	990	930	840	560															
DES6.5	6.5	80 X 65	1500	2100	2000	1900	1800																						
DES8/ DES8AIR	8.0	80 X 65	1500		2520	2350	2280																						
DEPLH8	8.0	80 X 65	2200																							1080	960	900	840

Note: 1. First two letter denotes Diesel Engine Series, Next letter Denotes Pipe Size (Suction & Delivery), Next letter 'L' denotes Portable (Light Weight) Diesel Engines & Last Number/s denotes HP of the Engines.
 2. Performance figure given above are approximate and may differ on site conditions.

STARTERS (3 PHASE D.O.L)



Features:

- Excellent aesthetics
- Flush mounted push buttons
- Built in Overload relay fitted
- Suitable for applications like Pumps ,thresher motors, wheat flour mill motors etc
- Copper and aluminum cable terminations possible
- Conforms to IS: 13947-4-1 and IEC: 60947-1 standards
- Wide band operating coil
- Wide range of relay settings as per site condition
- Silver contacts for long life
- Proven Crompton technology

Applications

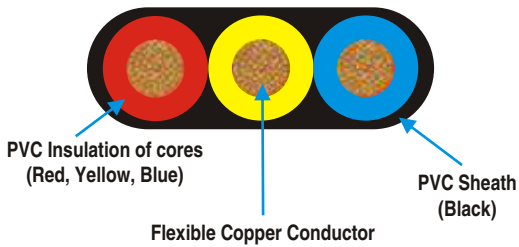
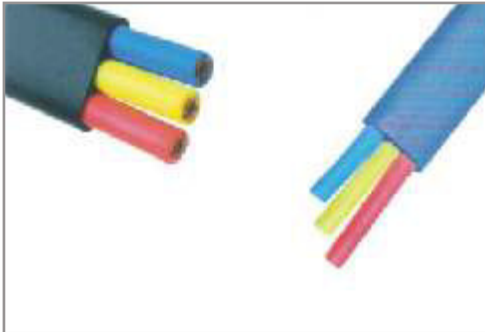
- Suitable for Pumsets up to 10 hp
- Used for submersible, surface mounted pumsets

Technical Specifications

Sr. No.	Model Name	Relay Range	Useful for Centrifugal Pump Hp	Useful for Submersible Pump HP
1	CG1D1525	1.5 to 2.5 A	1	1
2	CG1D2540	2.5 to 4 A	2	1.5
3	CG1D4065	4 to 6.5 A	3	2
4	CG1D60100	6 to 10 A	5	3
5	CG1D90140	9 to 14 A	7.5	5
6	CG1D130220	13 to 22 A	10	7.5

Note: Selection of Starter depends on pump type- Pump is Centrifugal Monobloc or Submersible.
 For Example, CG1D2540 will be used for 2 HP Surface Mounted Monobloc and same Starter will be used for 1.5 HP Submersible Pumps.

SUBMERSIBLE CABLES



Features:

- Conforming to : ISI 694
- Excellent resistant to moisture, abrasion, grease, oil
- Longer Flex Life
- Excellent mechanical & electrical properties
- Temperature range -15° to +70°

Note:

The number of wires is approximate and wire diameter is nominal. They shall be so as to satisfy the requirements of conductor resistance as per

- Class 2 of IS 8130 : 1984 (For 1.5 & 2.5 sq. mm.) &
- Class 5 of IS 8130 : 1984 (For 4.0 to 25 sq. mm.)

CONDUCTOR		PVC INSULATION	PVC SHEATH CONDUCTOR			Resistance at 20°C (max)	CURRENT Rating at 40°C
Nominal Area in	Nos. & Dia of wire	Nominal Thickness	Nominal Thickness	Approx. Overall Dimensions			
Sq.mm.	Nos./mm	mm	mm	Thickness	Width	ohms/km	Amps.
1.5	22/0.30	0.6	0.9	5.20	11.30	12.10	14
2.5	36/0.30	0.7	1.0	6.20	13.30	7.41	18
4.0	56/0.30	0.8	1.0	7.00	15.60	4.95	26
6.0	84/0.30	0.8	1.1	7.40	17.70	3.30	31



Crompton Greaves Limited **MACHINE 5 DIVISION**

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