

4" Submersible Motor Pump Set & Submersible Pump

Applications

- Ground water supply to waterworks
- Irrigation in horticulture and agriculture
- Ground water lowering
- Pressure boosting
- Water treatment
- Civil and industrial application
- Fire fighting application

Application Limits

- Water temperature : Up to 35°C
- Minimum internal diameter of well: 4" \varnothing 100mm.
- The solids in the water is less than 0.02% (heavy proportion)
- PH: 6.5-8.0

Performance Range

- Flow: Up to 12 m³/hr
- Head: Up to 370 Meters
- Speed: 2900 rpm
- Power: 0.75KW to 5.5KW, 50HZ

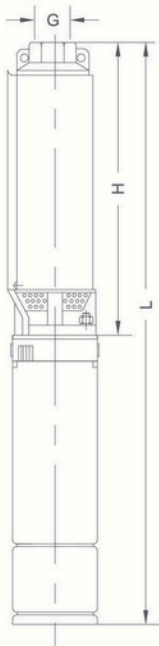
Motor Details

- 2 pole oil lubricated motor
- Insulation class-F
- Protection Class: IP68
- Single phase 230V \pm 10%, 50Hz (Up to 3HP)
- Three phase 400V \pm 10%, 50Hz
- Speed 2900 RPM
- Motor winding: 100% copper

Installation and use

- Pump sizes for connecting to motor according to NEMA standards.
- Delivery Casing with built-in non return valve for stop coming back water.
- Manufactured from corrosion resistant materials for long life impellers-PPO, diffuser -PC, and Delivery Casing are S.S. AISI-304.
- Specific impeller material selection ensures optimal performance in sandy bores.
- This type models feature independently floating centrifugal impellers to provide easy starting and long life-automatically adjusting to match pumping conditions for various application.
- High quality shaft bearings providing low friction and high wear resistance.
- Strong stainless steel drive shaft ensures positive impeller drive and longer life.
- Standard 2 pole speed motor (2900rpm) limits internal velocities for longer life.
- Heavy duty stainless steel Inner and outer shell providing protection and accurate alignment of internal components.

G.A Drawing



MODEL

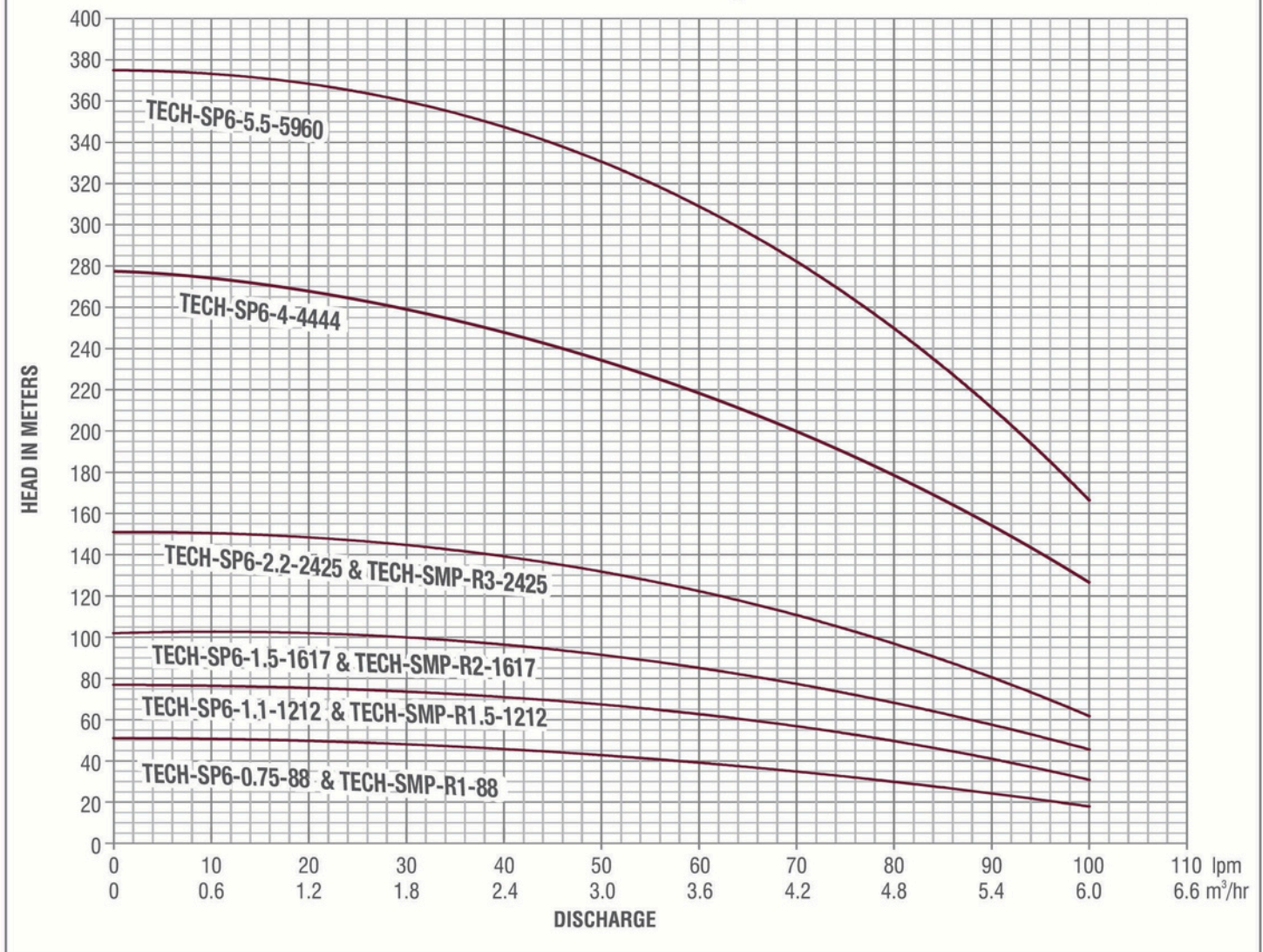
TECH-SMP-R1-88
TECH-SMP-R1.5-1212
TECH-SMP-R2-1617
TECH-SMP-R3-2425
TECH-SMP-M1.5-68
TECH-SMP-M2-810
TECH-SMP-M3-1315

4" Submersible Motor Pump Set & Submersible Pump

Pump performance table

Pumpset Model	Bare Pump Model	Power		OUTLET (INCH)	Height		NET WEIGHT (Kg)		Q	US GPM										
		KW	HP		H (mm)	L (mm)	H	L		M ³ /H	0	9	11	12	13	16	18	21	24	26
											0	2.1	2.4	2.7	3.0	3.6	4.2	4.8	5.4	6.0
										LPM	0	35	40	45	50	60	70	80	90	100
TECH-SMP-R1-88	TECH-SP6-0.75-88	0.75	1	1½"	367	745	3.1	12.1	H Meters	51	47	46	44	43	39	35	30	24	18	
TECH-SMP-R1.5-1212	TECH-SP6-1.1-1212	1.1	1.5		467	909	4.0	15.0		77	72	71	69	68	63	57	49	41	31	
TECH-SMP-R2-1617	TECH-SP6-1.5-1617	1.5	2		567	1039	4.8	17.2		102	98	96	94	92	86	77	68	57	46	
TECH-SMP-R3-2425	TECH-SP6-2.2-2425	2.2	3	805	1322	6.7	21.5	151		142	139	136	132	122	111	97	80	62		
	TECH-SP6-4-4444	4.0	5.5	1305	1907	11.1	30.1	278		265	260	254	247	230	210	187	159	127		
	TECH-SP6-5.5-5960	5.5	7.5	1756	2502	14.7	42.0	370		354	347	340	330	310	282	250	210	167		

HYDRAULIC PERFORMANCE CURVE TECH-SP6-0.75-88, to TECH-SP6-5.5-5960 50Hz 2900 RPM



4" Submersible Motor Pump Set & Submersible Pump

Pumpset Model	Bare Pump Model	Power		OUTLET (INCH)	Height		NET WEIGHT (Kg)		Q	US GPM										
		KW	HP		H (mm)	L (mm)	H	L		M ³ /H	0	13	21	24	26	32	37	42	48	53
											0	3.0	4.8	5.4	6.0	7.2	8.4	9.6	10.8	12.0
										LPM	0	50	80	90	100	120	140	160	180	200
TECH-SMP-M1.5-68	TECH-SP12-1.1-68	1.1	1.5	2"	364	806	3.2	14.2	H Meters	38	36	35	34	33	31	28	24	19	14	
TECH-SMP-M2-810	TECH-SP12-1.5-810	1.5	2		426	898	3.7	16.1		52	50	47	45.5	44	41	37	31	25	18	
TECH-SMP-M3-1315	TECH-SP12-2.2-1315	2.2	3		581	1098	4.9	19.7		82	78	75	73	71	66	59	50	40	30	
	TECH-SP12-4-2325	4	5.5		929	1531	7.7	26.7		148	140	134	131	127	118	108	95	79	60	
	TECH-SP12-5.5-3237	5.5	7.5		1208	1954	10.3	37.6		202	190	182	178	172	160	143	125	105	80	

