



# PRAKASH

Worldwide

Quality, Reliability, Life



## 4" SUBMERSIBLE PUMP STAINLESS STEEL



# Submersible Pump Stainless Steel

## Applications

- Domestic and community water supply
- Irrigation in horticulture and agriculture
- Drip and sprinkler application
- Booster application
- Civil and industrial application

## Specifications

- Water temperature : Up to 35°C
- Minimum internal diameter of well: 4" Ø100mm.
- Power : 0.75 to 7.5Kw
- Capacity : Up to 11m<sup>3</sup> /h
- Head : Up to 544m
- Max. sand quality in to the water : 50g/m<sup>3</sup>
- PH: 6.5 – 8.0

## Feature and benefits

- 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, diffuser, 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.

## Models

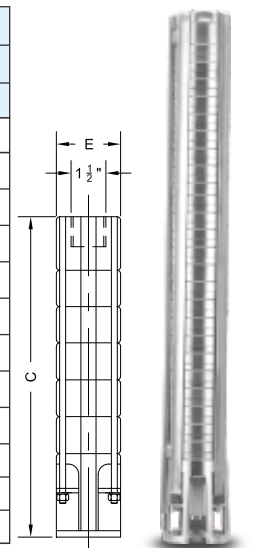
- Radial flow SP-R5A.
- Mixed flow SP-M8A



## Radial flow SP-R5A

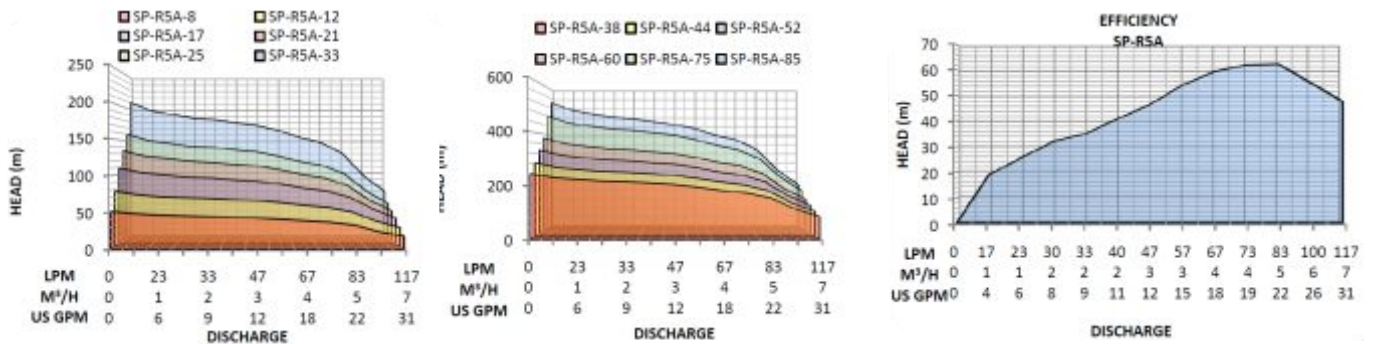
## Hydraulic Pump Performance Chart

Model	Power		C	E	Pump Weight (Kg)	Q	H Meters												
	KW	HP					US GPM	0	9	11	12	15	18	19	22	26	31		
							M <sup>3</sup> /H	0	2	2.4	2.8	3.4	4	4.4	5	6	7		
							LPM	0	33	40	47	57	67	73	83	100	117		
SP-R5A-8	0.75	1.0	354	101	4	H Meters	51	44	43	42	40	38	36	32	23	17			
SP-R5A-12	1.1	1.5	438	101	5		77	67	65	64	61	57	54	48	35	26			
SP-R5A-17	1.5	2.0	543	101	6		109	95	92	90	86	80	76	67	50	37			
SP-R5A-21	2.2	3.0	627	101	7		134	117	114	112	106	99	94	83	61	45			
SP-R5A-25	2.2	3.0	711	101	8		160	140	136	133	126	118	112	99	73	54			
SP-R5A-33	3	4.0	879	101	10		211	184	179	175	167	156	148	131	96	71			
SP-R5A-38	4	5.5	1049	101	11		243	212	208	202	192	179	170	151	111	82			
SP-R5A-44	4	5.5	1175	101	12		282	246	240	234	222	208	197	175	128	95			
SP-R5A-52	5.5	7.5	1343	101	14		333	290	282	276	263	245	233	206	152	113			
SP-R5A-60	5.5	7.5	1511	101	16		384	335	327	319	303	283	269	238	175	130			
SP-R5A-75	7.5	10.0	1826	101	20		480	419	409	399	379	354	336	298	219	162			
SP-R5A-85	7.5	10.0	2036	101	22		544	473	460	448	429	401	381	337	248	184			



Submersible Motor Type SM150, Pump Outlet 1.5" and 2"

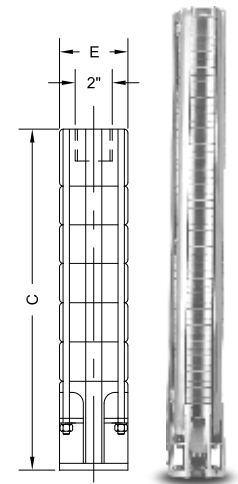
## Hydraulic Performance Curve



## Mixed flow SP-M8A

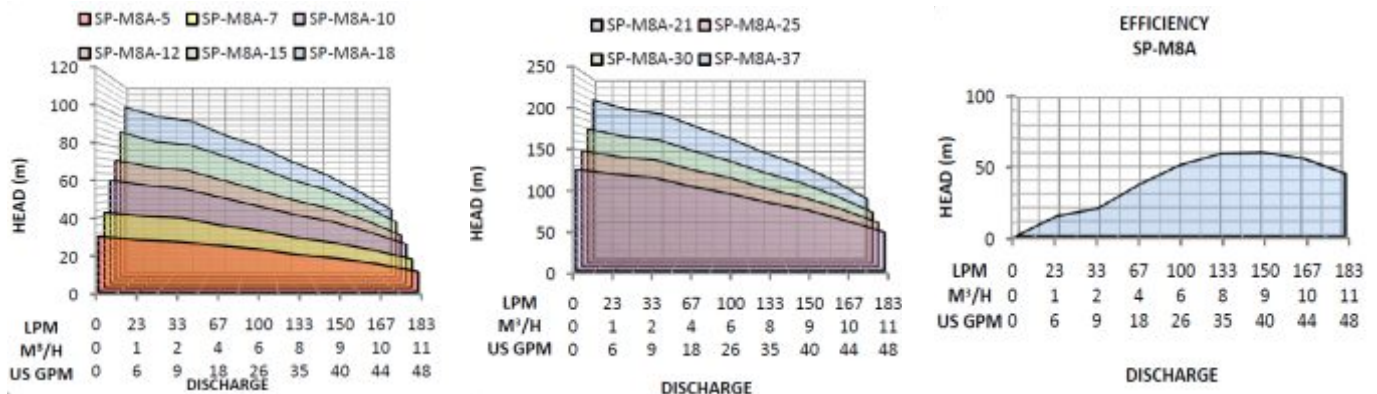
## Hydraulic Pump Performance Chart

Model	Power		C	E	Pump Weight (Kg)	H Meters							
	KW	HP				US GPM	0	18	26	35	40	44	48
SP-M8A-5	0.75	1.0	425	101	4	0	4	6	8	9	10	11	
SP-M8A-7	1.1	1.5	509	101	5	0	67	100	133	150	167	183	
SP-M8A-10	1.5	2.0	635	101	6	30	25	23	20	18	15	11	
SP-M8A-12	2.2	3.0	719	101	7	42	35	32	28	25	21	16	
SP-M8A-15	2.2	3.0	845	101	9	60	50	45	40	36	30	23	
SP-M8A-18	3	4.0	971	101	10	72	60	54	48	43	36	27	
SP-M8A-21	4	5.5	1097	101	11	90	75	68	60	54	45	34	
SP-M8A-25	4	5.5	1265	101	13	107	89	82	72	64	53	41	
SP-M8A-30	5.5	7.5	1475	101	15	125	104	95	84	75	62	48	
SP-M8A-37	5.5	7.5	1769	101	18	149	124	114	100	89	74	57	
						179	149	136	120	107	89	68	
						221	184	168	148	132	110	84	



Submersible Motor Type SM100, Pump Outlet 2"

## Hydraulic Pump Performance Chart



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