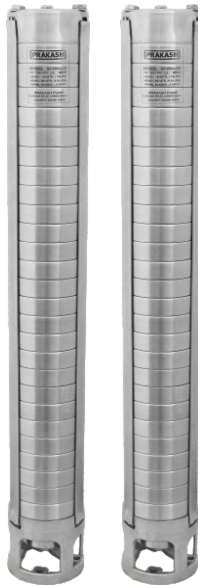




Quality, Reliability, Life

4" Submersible Stainless Steel Pump 60 Hz



www.prakashpump.com

Applications

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

Pumped liquids

- Clean, non Corrosive and non-abrasive liquids

Operating Conditions

- Max. ambient temperature (Liquid) 45°C
- Sand Content: Max 50 g/m³
- Liquid PH value: 6.5-8

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.
- Stainless steel strainer to restrict the entry of sand and other extraneous materials.

Models

- Radial flow SP-R03A, SP-R05A.
- Mixed flow SP-M08A.

Specifications

- Minimum internal diameter of well: 4" Ø100mm.
- Power : 0.37 kw to 15 kw
- Capacity : up to 12 m³/hr
- Head : up to 680 m

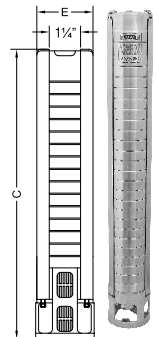
Material of Construction (MOC)

- Bowl :Stainless steel 304
- Impeller : Stainless steel 304
- NRV (discharge) : Stainless steel 304
- Shaft : Stainless steel 431
- Coupling : Stainless steel 304
- Stainer : Stainless steel 304

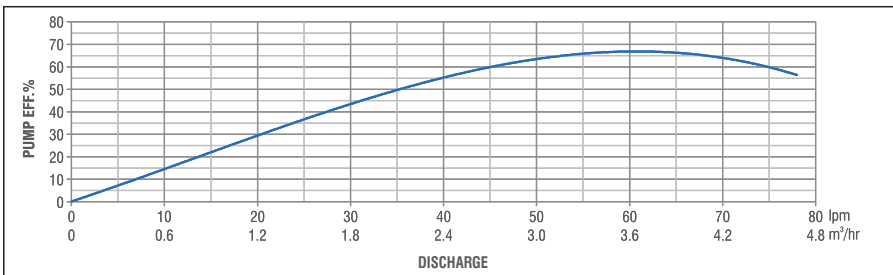
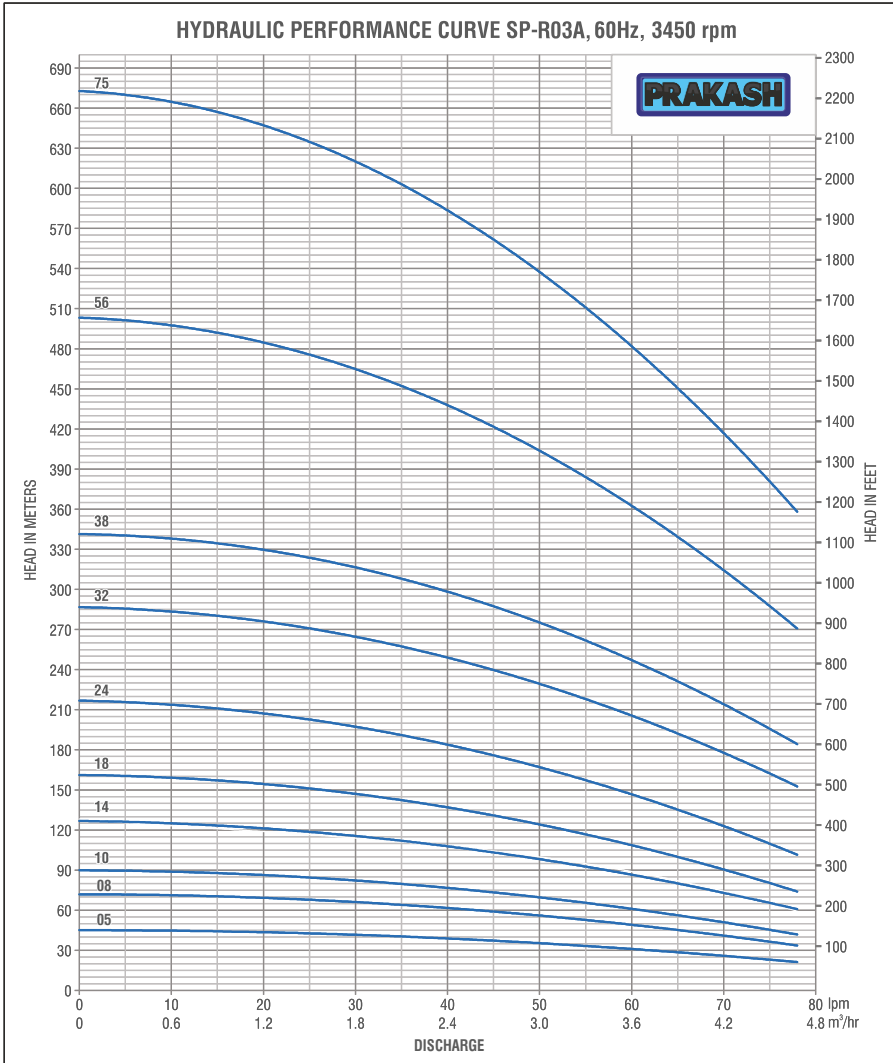
Radial flow SP-R03A

Hydraulic Performance Chart 60Hz, 3450 RPM

Model	Power		C (mm)	E (mm)	Pump Weight (Kg)	Motor Joining	Q	US GPM	0	5	9	12	16	21
	kW	HP						M ³ /H	0.0	1.2	2.0	2.8	3.6	4.7
								LPM	0	20	33	47	60	78
SP-R03A-05	0.37	0.5	334	101	3.9	4"	Head (m)	46	42	40	38	32	20	
SP-R03A-08	0.55	0.75	402	101	4.8	4"	Head (m)	73	69	63	59	50	33	
SP-R03A-10	0.75	1.0	448	101	5.5	4"	Head (m)	91	84	80	73	63	41	
SP-R03A-14	1.1	1.5	539	101	6.7	4"	Head (m)	128	120	112	102	90	59	
SP-R03A-18	1.5	2.0	630	101	8.0	4"	Head (m)	163	151	143	130	112	72	
SP-R03A-24	2.2	3.0	767	101	9.9	4"	Head (m)	219	203	191	176	150	99	
SP-R03A-32	3.0	4.0	950	101	12.2	4"	Head (m)	290	270	258	240	210	149	
SP-R03A-38	4.0	5.5	1086	101	14.1	4"	Head (m)	345	323	308	287	253	180	
SP-R03A-56	5.5	7.5	1528	101	20	*V5/4"	Head (m)	509	476	452	421	371	265	
SP-R03A-75	7.5	10.0	1961	101	26.2	*V5/4"	Head (m)	680	634	604	560	494	350	



Standard Pump Outlet 1 1/4" NPT
Available on request 1 1/2" NPT

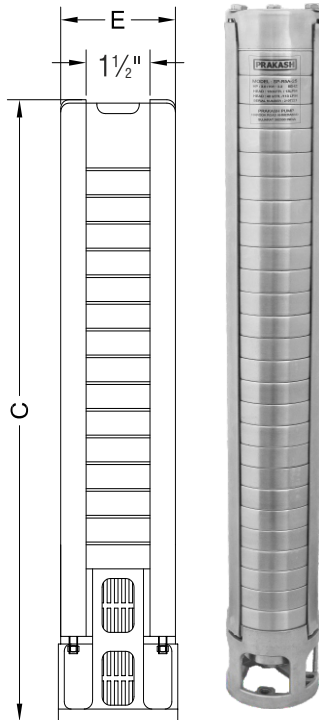


Radial flow SP-R05A

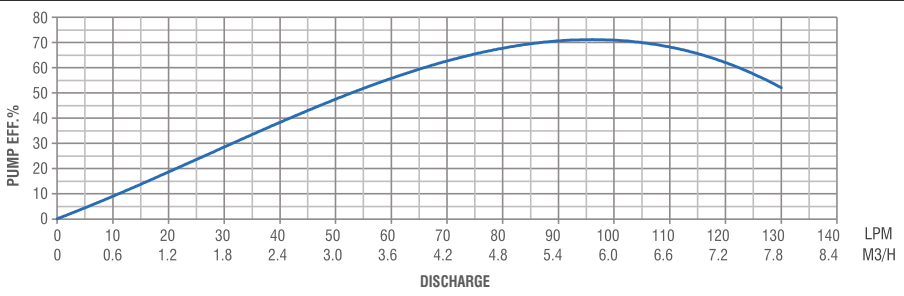
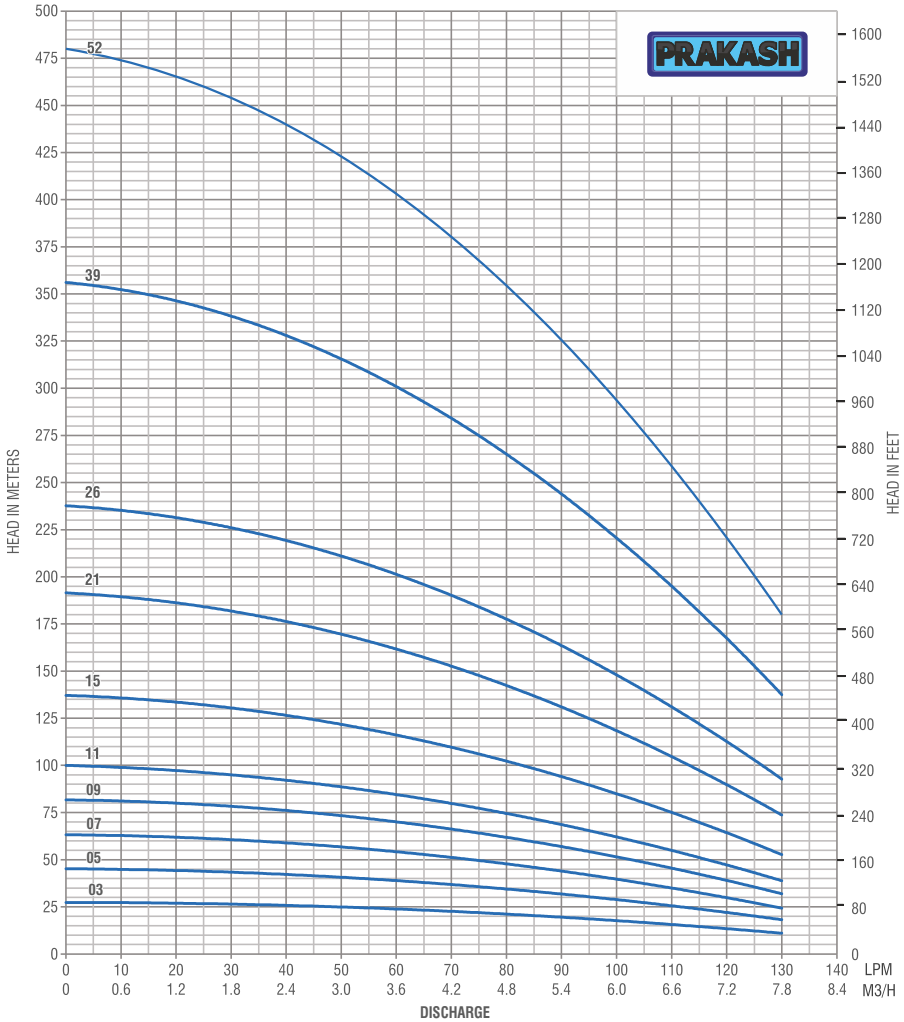
Hydraulic Performance Chart 60Hz, 3450 RPM

Model	Power		C (mm)	E (mm)	Pump Weight (Kg)	Motor Joining	Q	US GPM	0	11	18	25	28	34
	KW	HP						M ³ /H	0.0	2.4	4.1	5.6	6.4	7.8
								LPM	0	40	68	94	107	130
SP-R05A-03	0.37	0.5	288	101	3.6	4"	Head (m)	28	24	23	20	17	10	
SP-R05A-05	0.55	0.75	334	101	3.9	4"	Head (m)	46	40	38	31	28	17	
SP-R05A-07	0.75	1.0	380	101	4.5	4"	Head (m)	64	57	52	43	38	23	
SP-R05A-09	1.1	1.5	425	101	5.2	4"	Head (m)	83	73	67	57	49	30	
SP-R05A-11	1.5	2.0	471	101	5.8	4"	Head (m)	101	90	80	68	59	37	
SP-R05A-15	2.2	3.0	562	101	7.0	4"	Head (m)	139	122	111	94	80	50	
SP-R05A-21	3.0	4.0	699	101	8.9	4"	Head (m)	194	170	155	130	112	70	
SP-R05A-26	4.0	5.5	813	101	10.4	4"	Head (m)	241	211	193	163	140	88	
SP-R05A-39	5.5	7.5	1109	101	14.4	*V5/4"	Head (m)	361	316	288	242	210	130	
SP-R05A-52	7.5	10.0	1437	101	19.0	*V5/4"	Head (m)	480	420	382	320	276	170	

Standard Pump Outlet 1 1/2" NPT
Available on request 1 1/4" NPT



HYDRAULIC PERFORMANCE CURVE SP-R05A, 60Hz, 3450 rpm

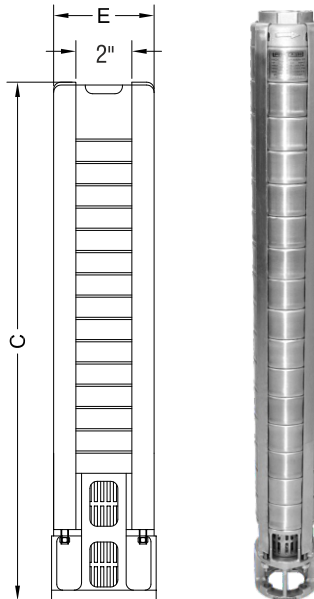


Mixed flow SP-M08A

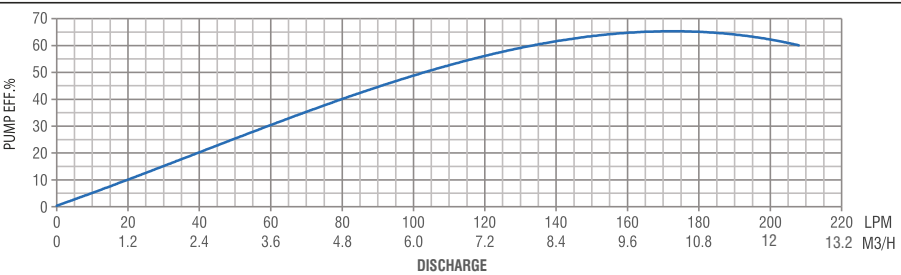
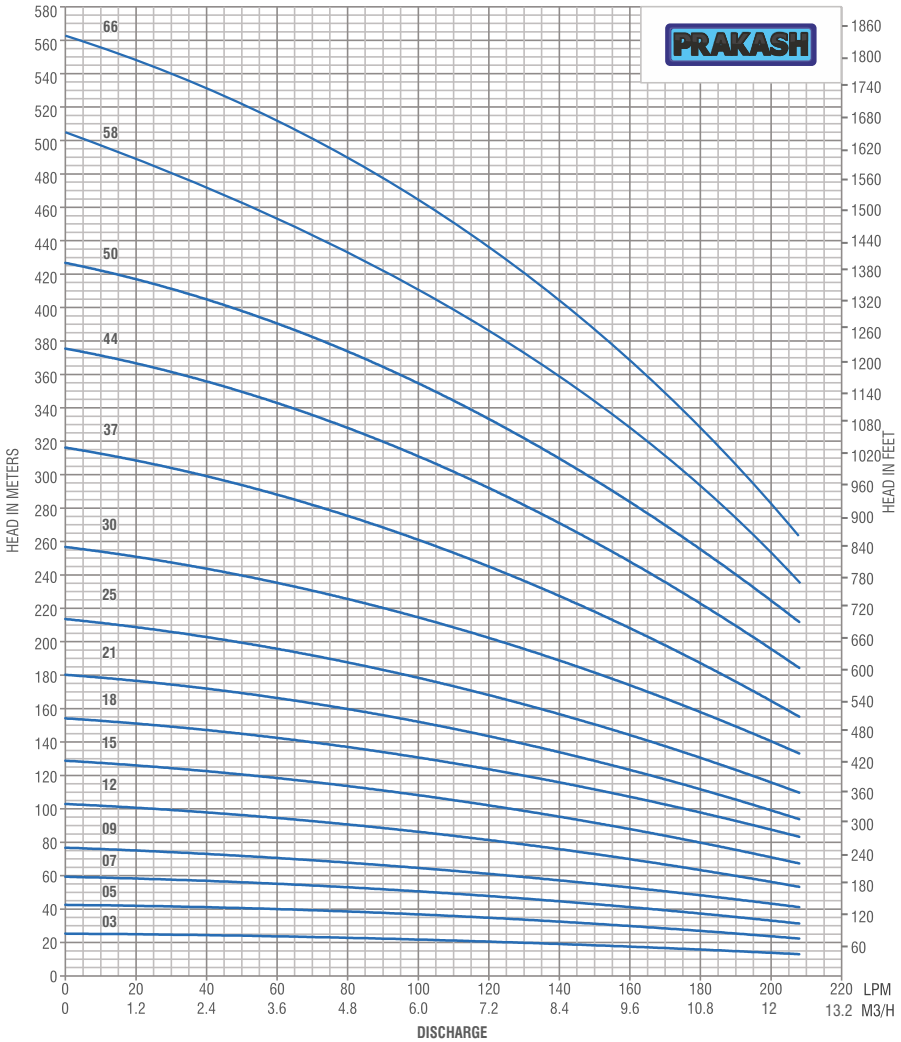
Hydraulic Performance Chart 60Hz, 3450 RPM

Model	Power		C (mm)	E (mm)	Pump Weight (Kg)	Motor Joining	Q	US GPM	0	13	26	40	48	55
	KW	HP						M ³ /H	0	3	6	9	11	12.5
								LPM	0	50	100	150	183	208
SP-M08A-03	0.55	0.75	371	101	4.0	4"	Head (m)	26	23	21	20	16	12	
SP-M08A-05	1.1	1.50	457	101	6.0	4"	Head (m)	43	40	36	32	28	21	
SP-M08A-07	1.5	2.0	543	101	6.6	4"	Head (m)	60	55	50	44	38	30	
SP-M08A-09	2.2	3.0	629	101	7.8	4"	Head (m)	78	70	63	58	49	39	
SP-M08A-12	3.0	4.0	758	101	9.6	4"	Head (m)	104	95	84	76	64	51	
SP-M08A-15	4.0	5.5	887	101	11.4	4"	Head (m)	130	119	106	95	80	65	
SP-M08A-18	5.5	7.5	1016	101	13.2	*V5/4"	Head (m)	156	142	129	115	99	80	
SP-M08A-21	5.5	7.5	1145	101	15.0	*V5/4"	Head (m)	182	167	149	133	113	90	
SP-M08A-25	5.5	7.5	1317	101	17.0	*V5/4"	Head (m)	216	196	175	156	132	105	
SP-M08A-30	7.5	10.0	1532	101	20.0	*V5/4"	Head (m)	260	235	210	189	160	127	
SP-M08A-37	9.3	12.5	1833	101	24.2	*V6/4"	Head (m)	320	288	257	225	190	148	
SP-M08A-44	11.0	15.0	2134	101	28.4	*V6/4"	Head (m)	380	343	305	270	225	176	
SP-M08A-50	13.0	17.5	2392	101	32.0	*V6/4"	Head (m)	432	390	349	307	259	202	
SP-M08A-58	15.0	20.0	2736	101	36.8	*V6/4"	Head (m)	502	454	404	357	300	235	
SP-M08A-66	15.0	20.0	3080	101	41.6	*V6/4"	Head (m)	569	514	458	401	335	263	

Standard Pump Outlet 2" NPT



HYDRAULIC PERFORMANCE CURVE SP-R08A, 60Hz, 3450 rpm



PRAKASH

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