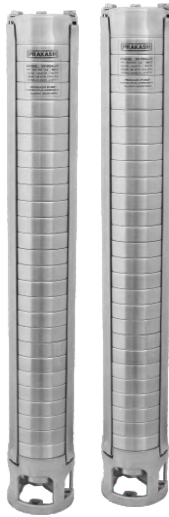




Quality, Reliability, Life

Submersible Stainless Steel Pump



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-R3A, SP-R5A.
- Mixed flow SP-M8A.

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)

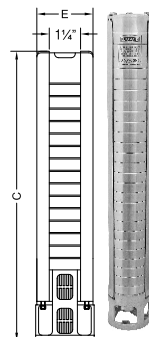
- Bowl :Stainless steel 304
- Impeller : Stainless steel 304
- NRV (discharge) : Stainless steel 304
- Shaft : Stainless steel 431
- Coupling : Stainless steel 304
- Stainer : Stainless steel 304

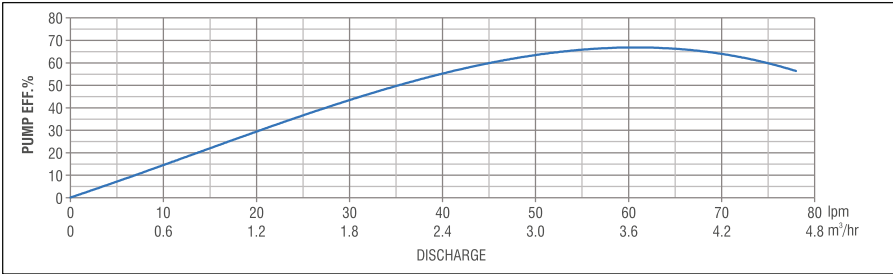
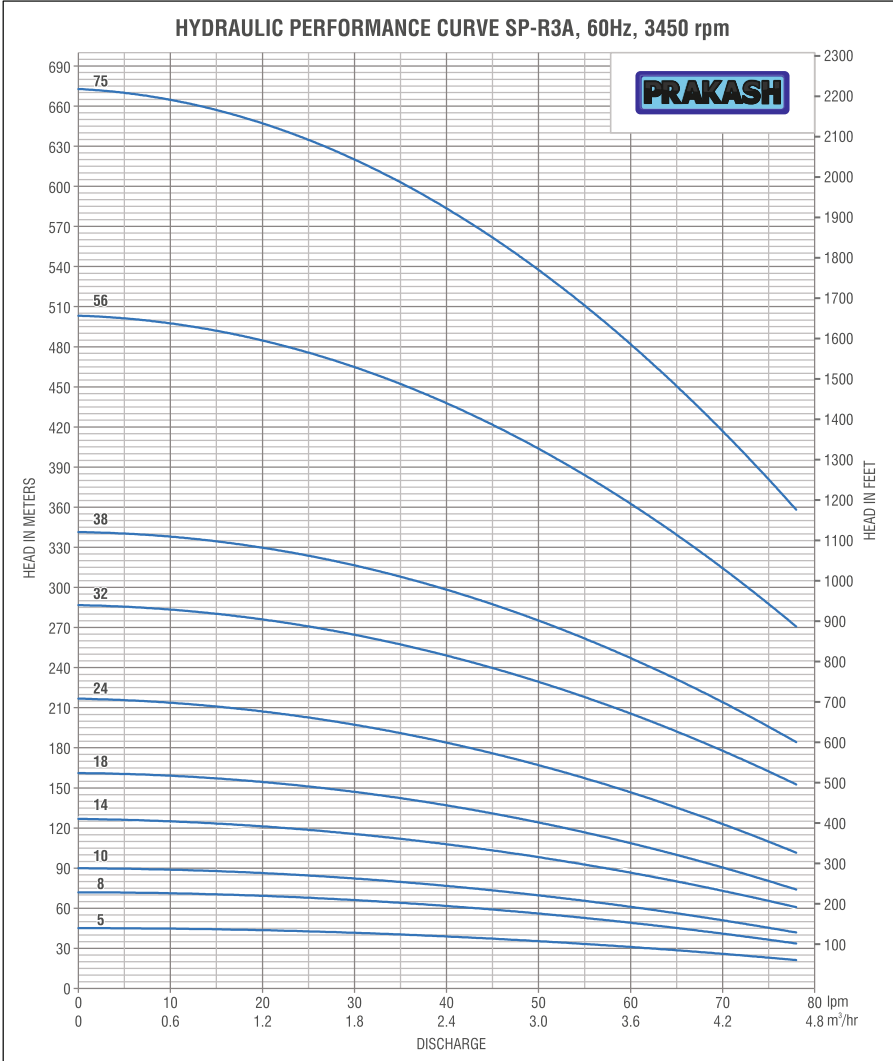
Radial flow SP-R3A

Hydraulic Performance Chart 60Hz, 3450 RPM

Model	Power		C	E	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-R3A-5	0.37	0.5	334	101	3.9	4"	Head (m)	46	42	40	38	32	20	
SP-R3A-8	0.55	0.75	402	101	4.8	4"	Head (m)	73	69	63	59	50	33	
SP-R3A-10	0.75	1.0	448	101	5.5	4"	Head (m)	91	84	80	73	63	41	
SP-R3A-14	1.1	1.5	539	101	6.7	4"	Head (m)	128	120	112	102	90	59	
SP-R3A-18	1.5	2.0	630	101	8.0	4"	Head (m)	163	151	143	130	112	72	
SP-R3A-24	2.2	3.0	767	101	9.9	4"	Head (m)	219	203	191	176	150	99	
SP-R3A-32	3.0	4.0	950	101	12.2	4"	Head (m)	290	270	258	240	210	149	
SP-R3A-38	4.0	5.5	1086	101	14.1	4"	Head (m)	345	323	308	287	253	180	
SP-R3A-56	5.5	7.5	1528	101	20	*V5/4"	Head (m)	509	476	452	421	371	265	
SP-R3A-75	7.5	10.0	1961	101	26.2	*V5/4"	Head (m)	680	634	604	560	494	350	

Standard Pump Outlet 1½" NPT
Available on request 1½" NPT



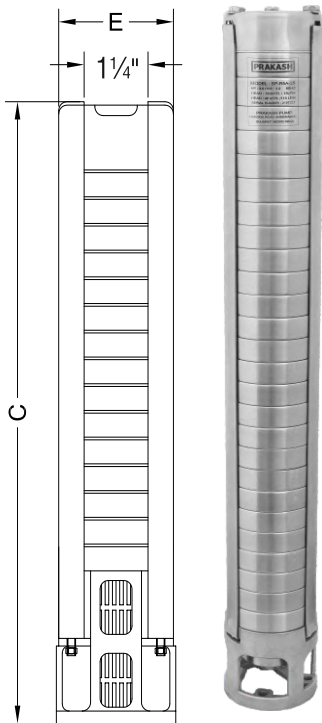


Radial flow SP-R5A

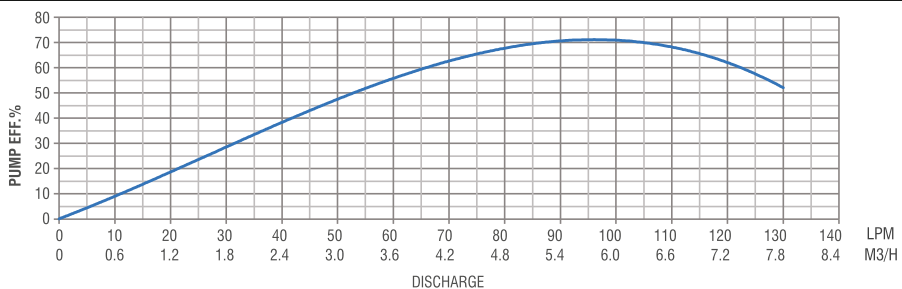
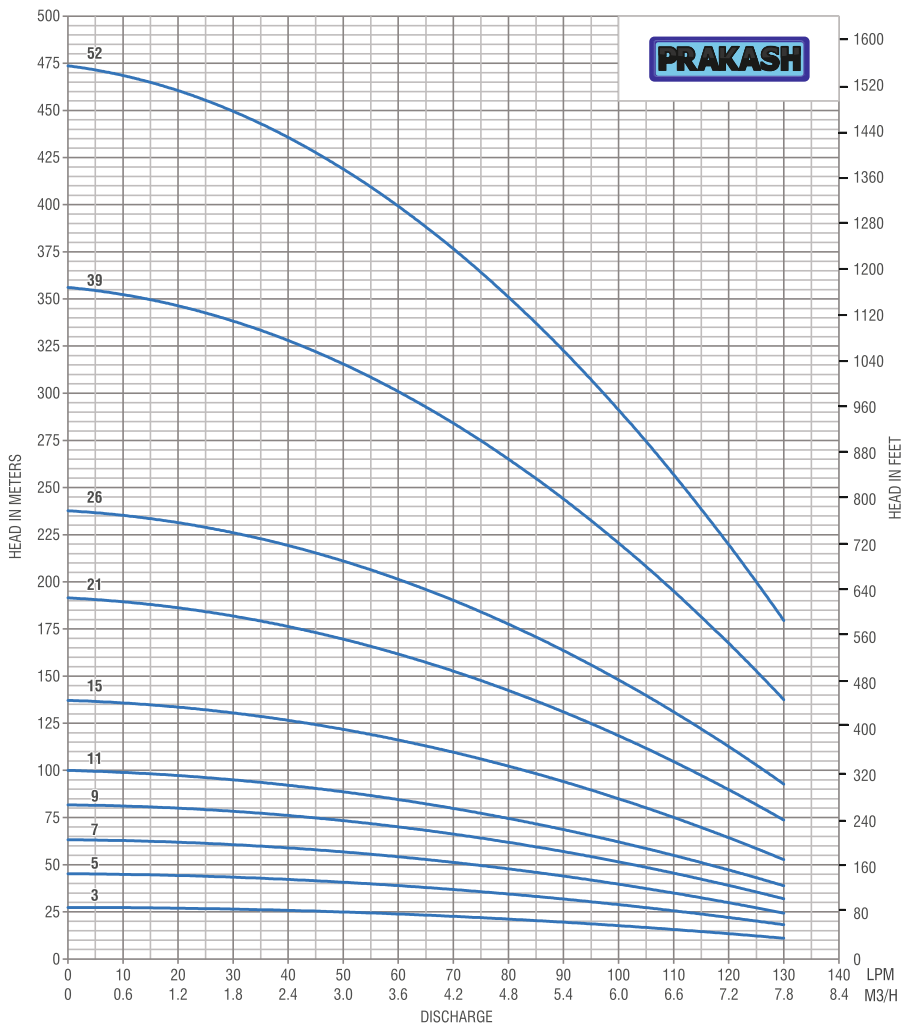
Hydraulic Performance Chart 60Hz, 3450 RPM

Model	Power		C	E	Pump Weight (Kg)	Motor Joining	Q	US GPM	0	11	18	25	28	34
								M ³ /H	0.0	2.4	4.1	5.6	6.4	7.8
								LPM	0	40	68	94	107	130
SP-R5A-3	0.37	0.5	288	101	3.6	4"	Head (m)	28	24	23	20	17	10	
SP-R5A-5	0.55	0.75	334	101	3.9	4"	Head (m)	46	40	38	31	28	17	
SP-R5A-7	0.75	1.0	380	101	4.5	4"	Head (m)	64	57	52	43	38	23	
SP-R5A-9	1.1	1.5	425	101	5.2	4"	Head (m)	83	73	67	57	49	30	
SP-R5A-11	1.5	2.0	471	101	5.8	4"	Head (m)	101	90	80	68	59	37	
SP-R5A-15	2.2	3.0	562	101	7.0	4"	Head (m)	139	122	111	94	80	50	
SP-R5A-21	3.0	4.0	699	101	8.9	4"	Head (m)	194	170	155	130	112	70	
SP-R5A-26	4.0	5.5	813	101	10.4	4"	Head (m)	241	211	193	163	140	88	
SP-R5A-39	5.5	7.5	1109	101	14.4	*V5/4"	Head (m)	361	316	288	242	210	130	
SP-R5A-52	7.5	10.0	1437	101	19.0	*V5/4"	Head (m)	480	420	382	320	276	170	

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



HYDRAULIC PERFORMANCE CURVE SP-R5A, 60Hz, 3450 rpm

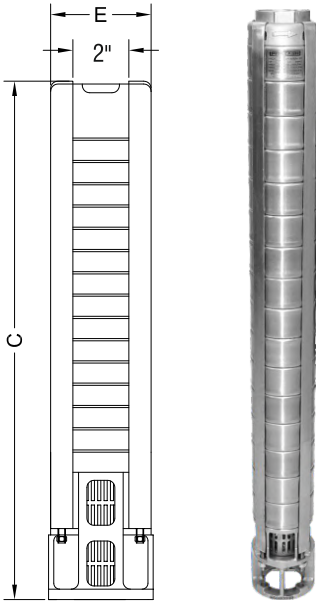


Mixed flow SP-M8A

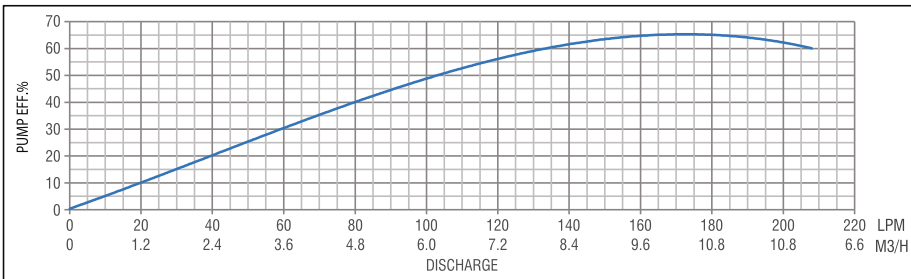
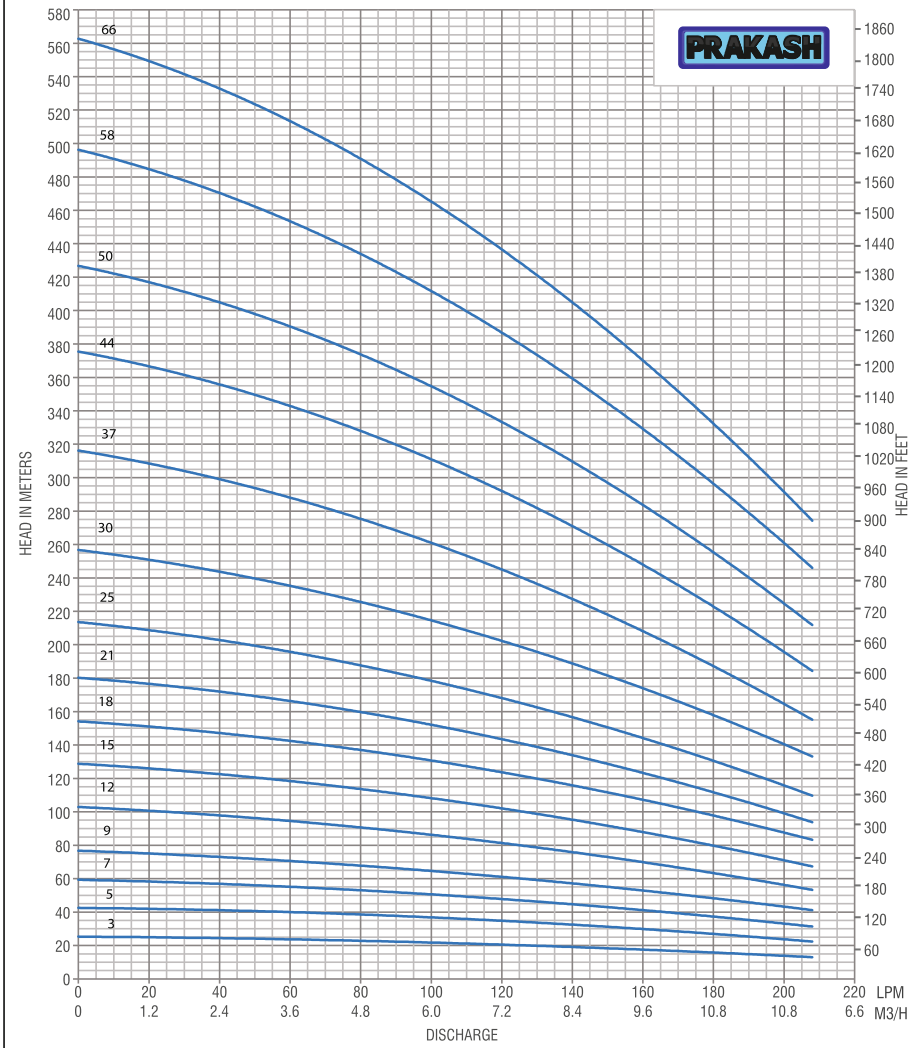
Hydraulic Performance Chart 60Hz, 3450 RPM

Model	Power		C	E	Pump Weight (Kg)	Motor Joining	Q	US GPM	0	13	26	40	48	55
	KW	HP						M³/H	0	3	6	9	11	12
								LPM	0	50	100	150	183	208
SP-M8A-3	0.55	0.75	371	101	4.0	4"	Head (m)	26	23	21	20	16	12	
SP-M8A-5	1.1	1.50	457	101	6.0	4"	Head (m)	43	40	36	32	28	21	
SP-M8A-7	1.5	2.0	543	101	6.6	4"	Head (m)	60	55	50	44	38	30	
SP-M8A-9	2.2	3.0	629	101	7.8	4"	Head (m)	78	70	63	58	49	39	
SP-M8A-12	3.0	4.0	758	101	9.6	4"	Head (m)	104	95	84	76	64	51	
SP-M8A-15	4.0	5.5	887	101	11.4	4"	Head (m)	130	119	106	95	80	65	
SP-M8A-18	5.5	7.5	1016	101	13.2	*V5/4"	Head (m)	156	142	129	115	99	80	
SP-M8A-21	5.5	7.5	1145	101	15.0	*V5/4"	Head (m)	182	167	149	133	113	90	
SP-M8A-25	5.5	7.5	1317	101	17.0	*V5/4"	Head (m)	216	196	175	156	132	105	
SP-M8A-30	7.5	10.0	1532	101	20.0	*V5/4"	Head (m)	260	235	210	189	160	127	
SP-M8A-37	9.3	12.5	1833	101	24.2	*V6/4"	Head (m)	320	288	257	225	190	148	
SP-M8A-44	11.0	15.0	2134	101	28.4	*V6/4"	Head (m)	380	343	305	270	225	176	
SP-M8A-50	13.0	17.5	2392	101	32.0	*V6/4"	Head (m)	432	390	349	307	259	202	
SP-M8A-58	15.0	20.0	2736	101	36.8	*V6/4"	Head (m)	502	454	404	357	300	235	
SP-M8A-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-M8A, 60Hz, 3450 rpm



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 50g/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-R17A.
- Mixed flow SP-M30A, SP-M46A, SP-M60A

Specifications

- Minimum internal diameter of well: 6" Ø150mm.
- Power : 1.1 kw to 45 kw
- Capacity : up to 90m³/hr
- Head : up to 540m

Material of Construction (MOC)

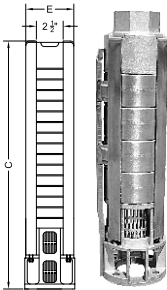
- Bowl :Stainless steel 304
- Impeller : Stainless steel 304
- NRV (discharge) : Stainless steel 304
- Shaft : Stainless steel 431
- Coupling : Stainless steel 304
- Stainer : Stainless steel 304

Radial flow SP-R17A

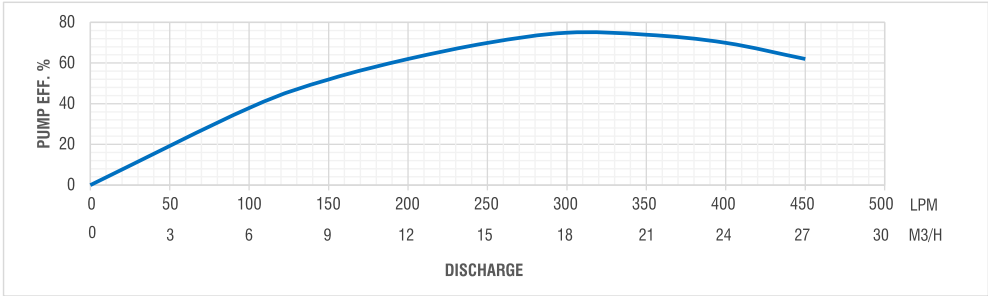
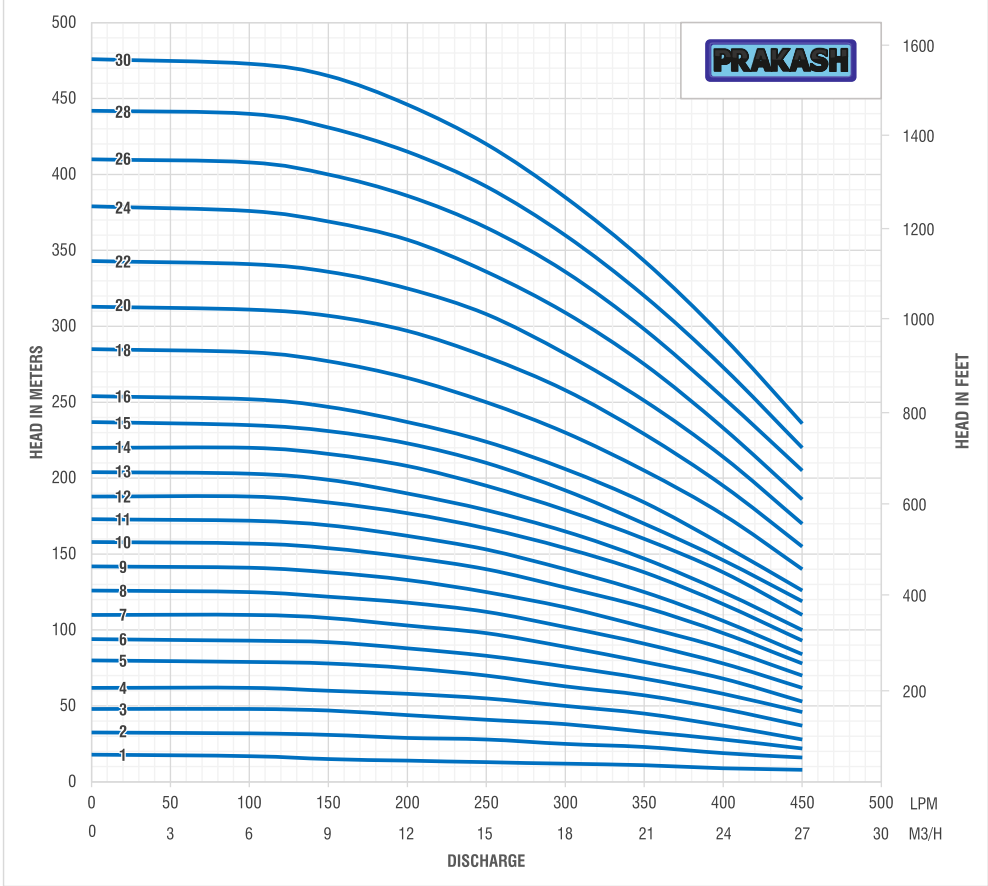
HYDRAULIC PERFORMANCE CHART, 60Hz, 3450 RPM

Model	Power		E	C	Pump Weight (Kg)	Motor Joining	Q	US GPM	0	26	53	66	79	92	106	119
								M3/H	0	6	12	15	18	21	24	27
	Kw	HP						LPM	0	100	200	250	300	350	400	450
SP-R17A-1	1.1	1.5	131	343	5.0	6"	Head (m)	18	17	14	13	12	11	9	8	
SP-R17A-2	2.2	3.0	131	403	6.4	6"	Head (m)	32.5	32	29	28	25	23	19	16	
SP-R17A-3	3.0	4.0	131	464	7.9	6"	Head (m)	48	48	44	41	38	33	28	22	
SP-R17A-4	4.0	5.5	131	524	9.3	6"	Head (m)	62	62	58	55	50	45	37	28	
SP-R17A-5	5.5	7.5	131	585	10.8	6"	Head (m)	80	79	75	70	63	57	48	37	
SP-R17A-6	5.5	7.5	131	645	12.2	6"	Head (m)	94	93	88	83	76	68	58	46	
SP-R17A-7	7.5	10	142	706	13.7	6"	Head (m)	110	110	103	98	89	79	68	53	
SP-R17A-8	7.5	10	142	766	15.1	6"	Head (m)	126	125	118	112	102	91	78	62	
SP-R17A-9	7.5	10	142	827	16.6	6"	Head (m)	142	141	133	125	115	102	88	70	
SP-R17A-10	9.3	12.5	142	887	18.0	6"	Head (m)	158	157	148	140	128	115	98	78	
SP-R17A-11	9.3	12.5	142	948	19.5	6"	Head (m)	173	172	162	153	140	125	106	84	
SP-R17A-12	11	15	142	1008	20.9	6"	Head (m)	188	188	177	167	154	138	117	93	
SP-R17A-13	11	15	142	1069	22.4	6"	Head (m)	204	203	190	179	165	147	125	100	
SP-R17A-14	13	17.5	142	1129	23.8	6"	Head (m)	220	220	208	195	179	160	138	110	
SP-R17A-15	13	17.5	142	1190	25.3	6"	Head (m)	237	235	223	210	192	170	146	119	
SP-R17A-16	15	20	142	1250	26.7	6"	Head (m)	254	252	237	224	206	184	156	126	
SP-R17A-18	15	20	142	1371	29.6	6"	Head (m)	285	283	266	250	230	205	176	140	
SP-R17A-20	18.5	25	142	1492	32.5	6"	Head (m)	313	311	297	280	258	229	195	155	
SP-R17A-22	18.5	25	142	1613	35.4	6"	Head (m)	343	341	325	308	282	251	214	170	
SP-R17A-24	22	30	142	1734	38.3	6"	Head (m)	379	376	357	336	309	275	233	186	
SP-R17A-26	22	30	142	1855	41.2	6"	Head (m)	410	408	386	365	336	298	253	205	
SP-R17A-28	26	35	142	1976	44.1	6"	Head (m)	442	440	415	392	360	320	273	220	
SP-R17A-30	26	35	142	2097	47.0	6"	Head (m)	476	473	446	420	385	343	293	236	

Standard Pump Outlet 2½" NPT
Available on Request Outlet 3" NPT



HYDRAULIC PERFORMANCE CURVE SP-R17A 3450 rpm , 60Hz

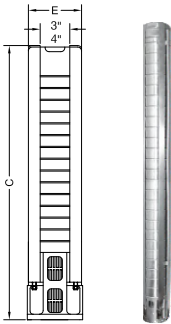


Mixed flow SP-M30A

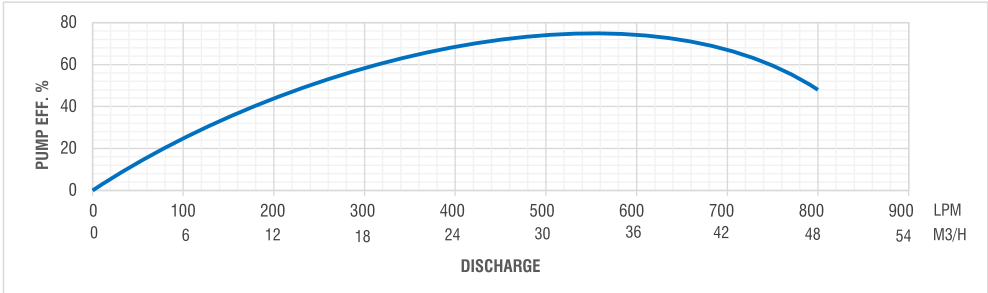
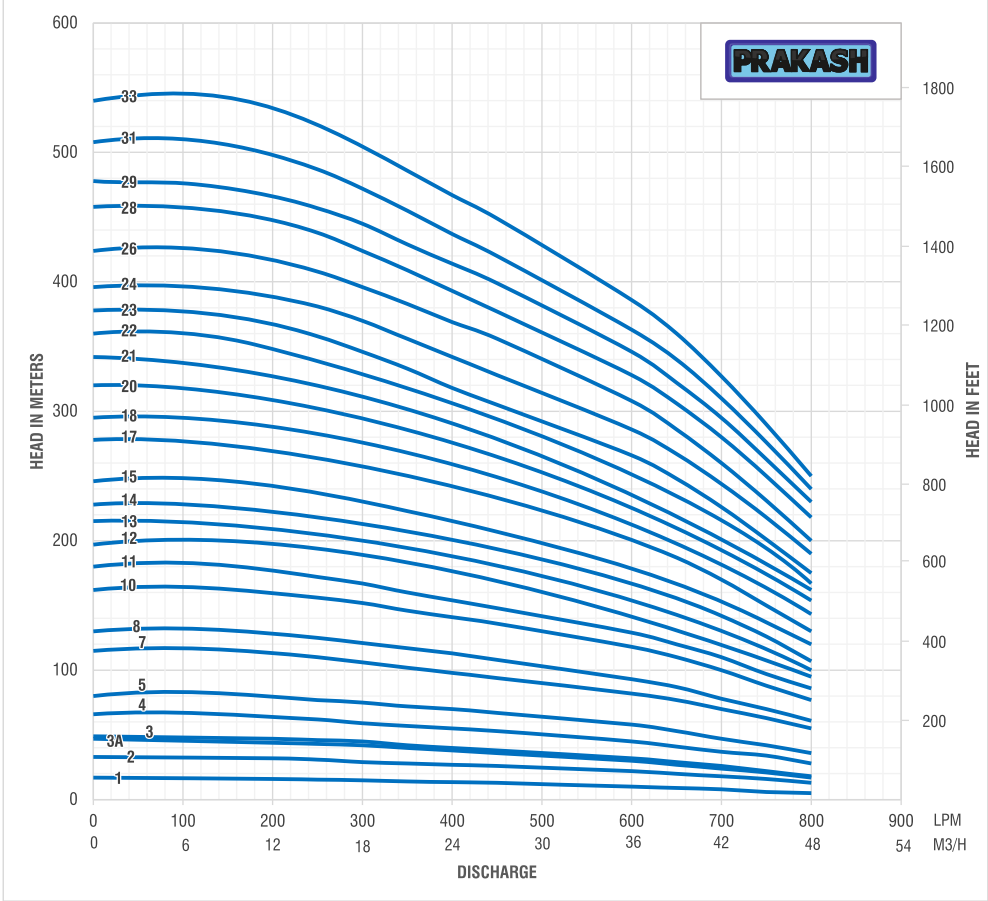
Hydraulic Performance Chart 60Hz, 3450 RPM

Model	Power		E	C	Pump Weight (Kg)	Motor Joining	Q	US GPM	0	53	79	106	158	185	198	211
								M3/H	0	12	18	24	36	42	45	48
	Kw	HP						LPM	0	200	300	400	600	700	750	800
SP-M30A-1	1.5	2.0	131	366	6.7	6"	Head (m)	17	16	15	13.5	10	8	6	5	
SP-M30A-2	3.0	4.0	131	462	8.4	6"	Head (m)	33	32	29	27	22	18	16	13	
SP-M30A-3A	4.0	5.5	131	558	10.1	6"	Head (m)	47	44	42	38	30	24	21	17	
SP-M30A-3	4.0	5.5	131	558	10.1	6"	Head (m)	49	47	45	40	32	26	22	18	
SP-M30A-4	5.5	7.5	131	654	11.8	6"	Head (m)	66	63	59	55	45	37	34	28	
SP-M30A-5	7.5	10	142	750	13.5	6"	Head (m)	80	79	75	70	58	47	42	36	
SP-M30A-7	9.3	12.5	142	942	16.9	6"	Head (m)	115	113	106	98	82	70	63	55	
SP-M30A-8	11	15	142	1038	19.6	6"	Head (m)	130	128	121	113	93	78	70	61	
SP-M30A-10	13	17.5	142	1230	22.0	6"	Head (m)	162	160	152	141	118	100	88	77	
SP-M30A-11	15	20	142	1326	23.6	6"	Head (m)	180	177	167	154	129	110	97	86	
SP-M30A-12	18.5	25	142	1422	25.3	6"	Head (m)	197	193	184	172	143	120	108	95	
SP-M30A-13	18.5	25	142	1518	26.9	6"	Head (m)	214	209	198	184	153	131	117	101	
SP-M30A-14	18.5	25	142	1614	28.7	6"	Head (m)	228	223	210	196	167	142	126	107	
SP-M30A-15	22	30	142	1710	30.4	6"	Head (m)	246	242	230	215	180	154	137	120	
SP-M30A-17	22	30	142	1902	33.8	6"	Head (m)	278	272	256	236	200	170	150	130	
SP-M30A-18	26	35	142	1998	35.3	6"	Head (m)	296	287	273	254	212	180	161	139	
SP-M30A-20	22	30	142	2190	38.3	6"	Head (m)	320	314	299	281	232	195	176	152	
SP-M30A-21	30	40	142	2286	40.6	6"	Head (m)	342	337	318	293	244	208	186	162	
SP-M30A-22	30	40	142	2382	42.3	6"	Head (m)	358	352	330	304	255	218	193	168	
SP-M30A-23	30	40	142	2478	44.0	6"	Head (m)	378	367	346	318	266	226	201	175	
SP-M30A-24	37	50	142	2574	45.6	6"	Head (m)	396	388	370	342	286	244	218	190	
SP-M30A-26	37	50	142	2766	49.0	6"	Head (m)	424	416	396	369	308	260	231	200	
SP-M30A-28	37	50	142	2958	52.4	6"	Head (m)	458	447	424	393	328	280	250	218	
SP-M30A-29	45	60	142	3054	54.1	8"	Head (m)	478	466	445	414	346	295	263	230	
SP-M30A-31	45	60	142	3246	57.5	8"	Head (m)	508	497	472	437	363	310	276	240	
SP-M30A-33	45	60	142	3438	60.9	8"	Head (m)	540	535	505	467	386	327	290	250	

Standard Pump Outlet 3" NPT
Available on Request Outlet 4" NPT



HYDRAULIC PERFORMANCE CURVE SP-M30A 3450RPM, 60Hz

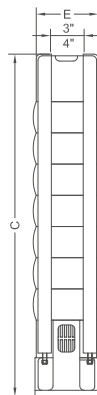


Mixed flow SP-M46A

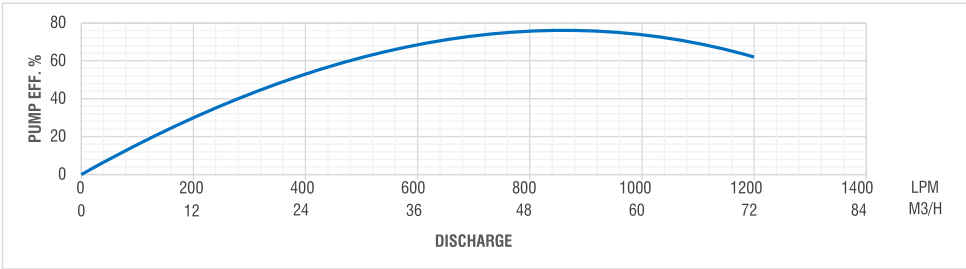
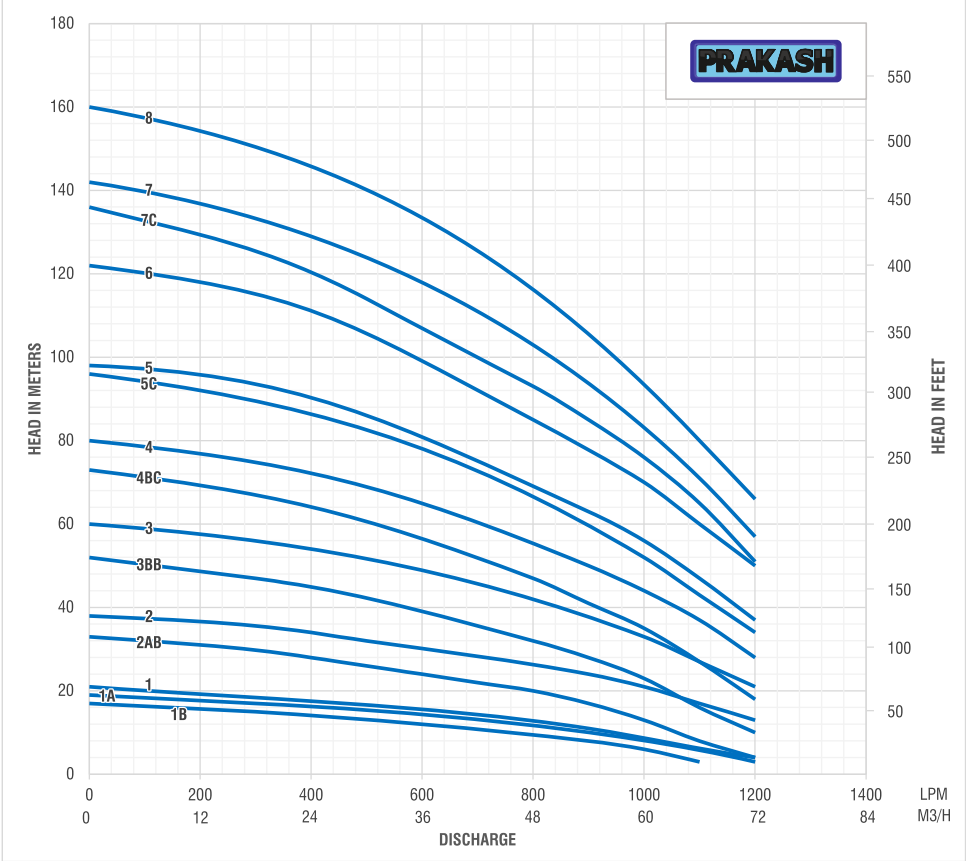
Hydraulic Pump Performance Chart 60Hz, 3450 RPM

Model	Power		E	C	Pump Weight (Kg)	Motor Joining	Q	US GPM	0	79	106	132	158	211	264	317
	Kw	HP						M3/H	0	18	24	30	36	48	60	72
								LPM	0	300	400	500	600	800	1000	1200
SP-M46A-1-B	1.5	2.0	146	383	6.9	6"	Head (m)	17	15	14	12.5	11	9	6		
SP-M46A-1-A	2.2	3.0	146	383	6.9	6"	Head (m)	19	17	16	15	14	11	8	3	
SP-M46A-1	3.0	4.0	146	383	6.9	6"	Head (m)	21	18	17	16	14	12	8	4	
SP-M46A -2-AB	4.0	5.5	146	496	9.2	6"	Head (m)	33	30	28	26	24	20	13	4	
SP-M46A-2	5.5	7.5	146	496	9.2	6"	Head (m)	38	36	34	32	29	26	21	13	
SP-M46A-3-BB	5.5	7.5	146	609	11.5	6"	Head (m)	52	47	45	42	38	32	23	10	
SP-M46A-3	7.5	10	149	609	11.5	6"	Head (m)	60	57	54	51	47	40	33	21	
SP-M46A-4-BC	7.5	10	149	722	13.7	6"	Head (m)	73	68	64	60	55	47	35	18	
SP-M46A-4	9.3	12.5	149	722	13.7	6"	Head (m)	80	76	72	67	63	55	44	28	
SP-M46A-5-C	11	15	149	835	16.0	6"	Head (m)	96	91	85	81	75	65	52	34	
SP-M46A-5	13	17.5	149	835	16.0	6"	Head (m)	98	93	88	83	77	68	56	37	
SP-M46-6	15	20	149	948	18.3	6"	Head (m)	122	117	112	104	97	85	70	50	
SP-M46A-7-C	15	20	149	1061	20.6	6"	Head (m)	136	126	120	114	107	93	76	51	
SP-M46A-7	18.5	25	149	1061	20.6	6"	Head (m)	142	136	128	121	113	98	83	57	
SP-M46A-8	18.5	25	149	1174	22.9	6"	Head (m)	160	153	146	137	127	113	94	66	
SP-M46A-9	22	30	149	1287	25.1	6"	Head (m)	180	172	163	154	143	126	105	74	
SP-M46A-10	22	30	149	1400	27.4	6"	Head (m)	202	194	184	172	159	141	117	83	
SP-M46A-11	26	35	149	1513	29.7	6"	Head (m)	224	216	205	190	177	156	129	92	
SP-M46A-12	30	40	149	1626	32	6"	Head (m)	244	234	222	208	191	171	141	99	
SP-M46A-13	30	40	149	1739	34.3	6"	Head (m)	258	247	235	220	205	182	153	105	
SP-M46A-14	30	40	149	1852	36.6	6"	Head (m)	279	266	252	237	222	197	165	115	
SP-M46A-15	37	50	149	1965	38.8	6"	Head (m)	300	285	269	254	239	212	177	125	
SP-M46A-16	37	50	149	2078	41.6	6"	Head (m)	319	304	288	271	253	225	187	133	
SP-M46A-17	37	50	149	2191	43.4	6"	Head (m)	338	322	306	287	267	237	197	140	
SP-M46A-18	45	60	149	2304	45.7	8"	Head (m)	355	337	323	305	286	252	214	150	
SP-M46A-20	45	60	149	2530	50.2	8"	Head (m)	397	376	357	335	315	276	230	161	

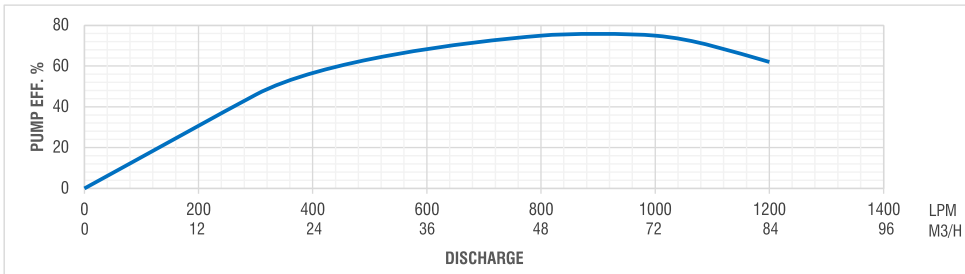
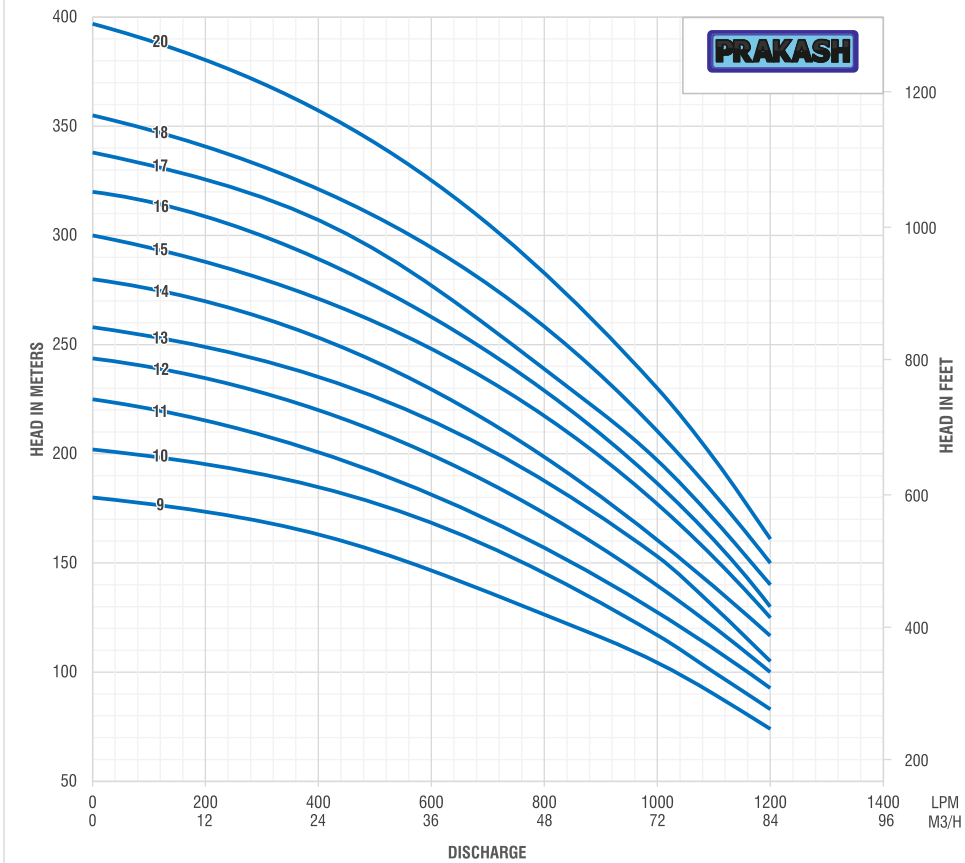
Standard Pump Outlet 4" NPT
Available on Request Outlet 3" NPT



HYDRAULIC PERFORMANCE CURVE SP-M46A 3450RPM, 60Hz



HYDRAULIC PERFORMANCE CURVE SP-M46A 3450RPM, 60Hz

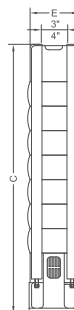


Mixed flow SP-M60A

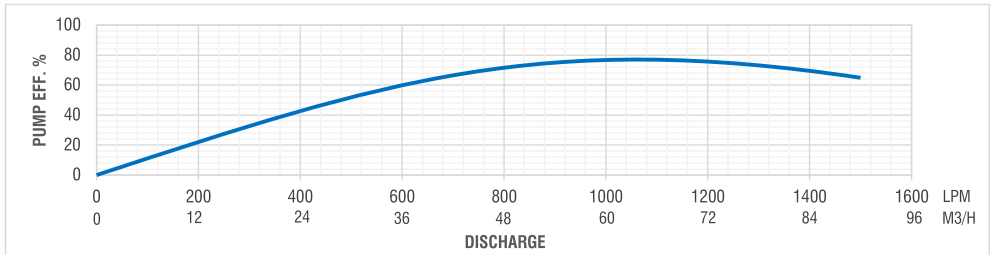
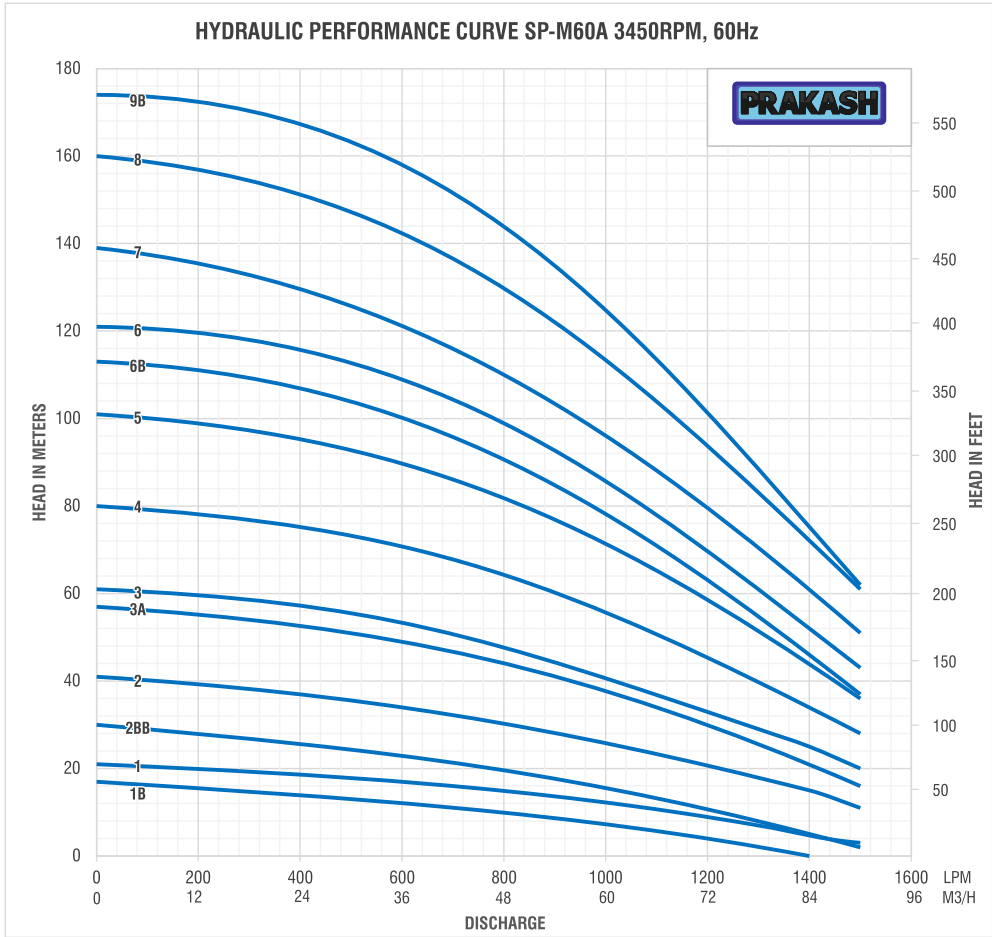
Hydraulic Pump Performance Chart 60Hz, 3450 RPM

Model	Power		E	C	Pump Weight (Kg)	Motor Joining	Q	US GPM	0	106	158	211	264	317	396
								M3/H	0	24	36	48	60	72	90
	Kw	HP						LPM	0	400	600	800	1000	1200	1500
SP-M60A-1-B	2.2	3.0	146	383	6.9	6"	Head (m)	17	14	11	9	7	4	0	
SP-M60A-1	4.0	5.5	146	383	6.9	6"	Head (m)	21	19	16	13	10	8	3	
SP-M60A-2-BB	4.0	5.5	146	496	9.2	6"	Head (m)	30	26	23	20	17	12	2	
SP-M60A-2	5.5	7.5	146	496	9.2	6"	Head (m)	41	38	34	28	24	19	11	
SP-M60A-3-A	7.5	10	149	609	11.5	6"	Head (m)	57	54	48	41	35	28	16	
SP-M60A-3	9.3	12.5	149	609	11.5	6"	Head (m)	61	59	53	46	38	33	20	
SP-M60A-4	11	15	149	722	13.7	6"	Head (m)	80	77	69	59	51	44	28	
SP-M60A-5	13	17.5	149	835	16.0	6"	Head (m)	101	98	88	76	66	56	36	
SP-M60A-6-B	15	20	149	948	18.3	6"	Head (m)	113	108	97	84	72	60	37	
SP-M60A-6	18.5	25	149	948	18.3	6"	Head (m)	121	117	105	90	78	67	43	
SP-M60A-7	18.5	25	149	1061	20.6	6"	Head (m)	139	134	121	106	91	78	51	
SP-M60A-8	22	30	149	1174	22.9	6"	Head (m)	160	156	140	122	106	91	61	
SP-M60A-9-B	22	30	149	1287	25.1	6"	Head (m)	174	168	152	132	114	96	62	
SP-M60A-9	26	35	149	1287	25.1	6"	Head (m)	180	174	157	136	117	101	65	
SP-M60A-10	26	35	149	1400	27.4	6"	Head (m)	197	189	172	148	129	110	72	
SP-M60A-11	30	40	149	1513	29.7	6"	Head (m)	221	214	190	166	146	126	84	
SP-M60A-12	37	50	149	1626	32.0	6"	Head (m)	241	236	213	187	164	142	97	
SP-M60A-13	37	50	149	1739	34.3	6"	Head (m)	261	255	230	200	174	152	104	
SP-M60A-14	37	50	149	1852	36.5	6"	Head (m)	278	272	246	214	187	163	109	
SP-M60A-15	45	60	149	1965	38.8	8"	Head (m)	303	294	267	230	200	173	118	
SP-M60A-16	45	60	149	2078	41.1	8"	Head (m)	321	309	283	246	212	183	126	
SP-M60A-17	45	60	149	2191	43.4	8"	Head (m)	342	328	299	259	223	192	131	

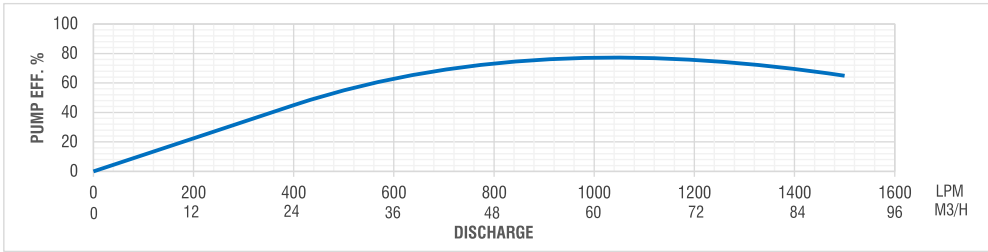
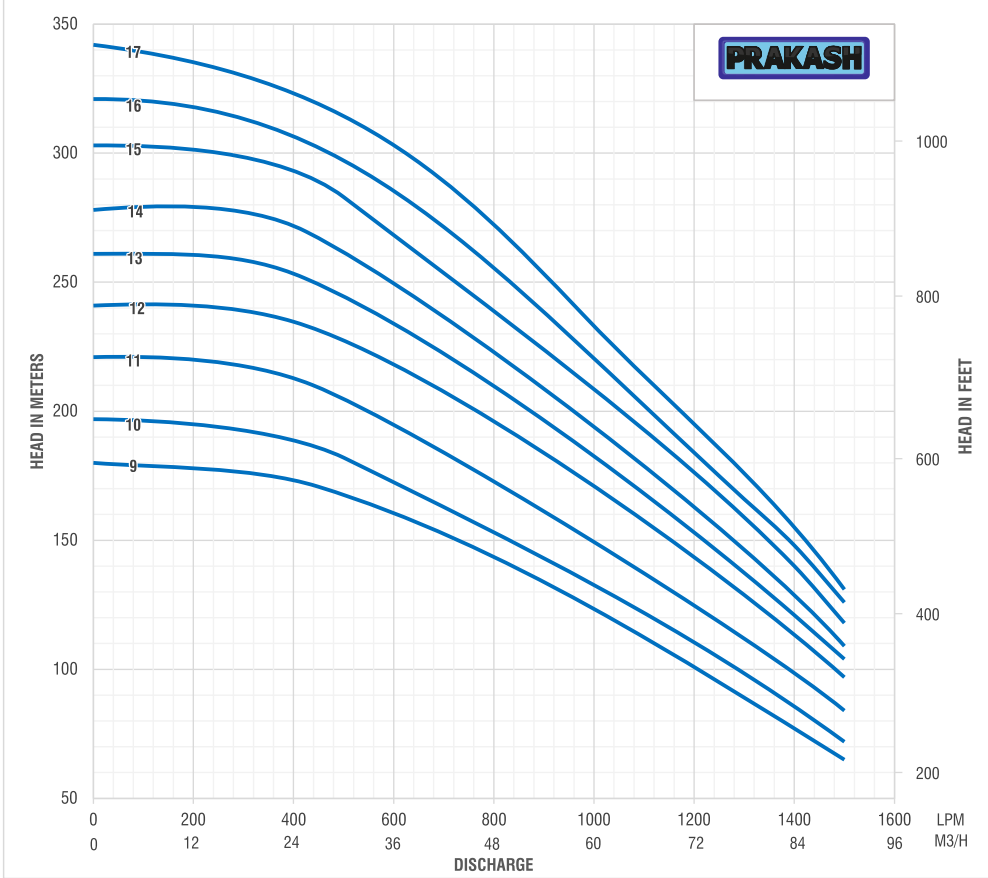
Standard Pump Outlet 4" NPT
Available on Request Outlet 3" NPT



HYDRAULIC PERFORMANCE CURVE SP-M60A 3450RPM, 60Hz



HYDRAULIC PERFORMANCE CURVE SP-M60A 3450RPM, 60Hz



Applications

- Domestic and community water supply
- Irrigation in horticulture and agriculture
- Irrigation including drip and sprinkler application
- Booster application
- Civil and industrial application
- Fire fighting application

Pumped liquids

- Clean, non Corrosive and non-abrasive liquids

Operating Conditions

- Max. ambient temperature (Liquid) 45°C
- Sand Content: Max 50g/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

- Mixed flow SP-M77A, SP-M95A

Specifications

- Minimum internal diameter of well: 8" Ø200mm.
- Power : 5.5 to 93Kw
- Capacity : up to 150m³/h
- Head : up to 439m

Material of Construction (MOC)

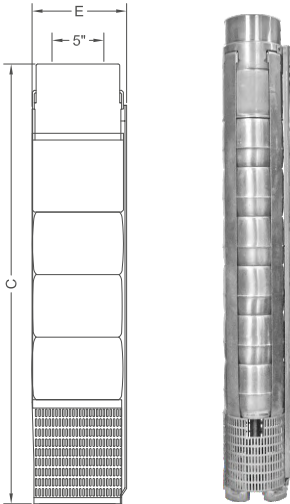
- Bowl :Stainless steel 304
- Impeller : Stainless steel 304
- NRV (discharge) : Stainless steel 304
- Shaft : Stainless steel 431
- Coupling : Stainless steel 304
- Stainer : Stainless steel 304

Mixed flow SP-M77A

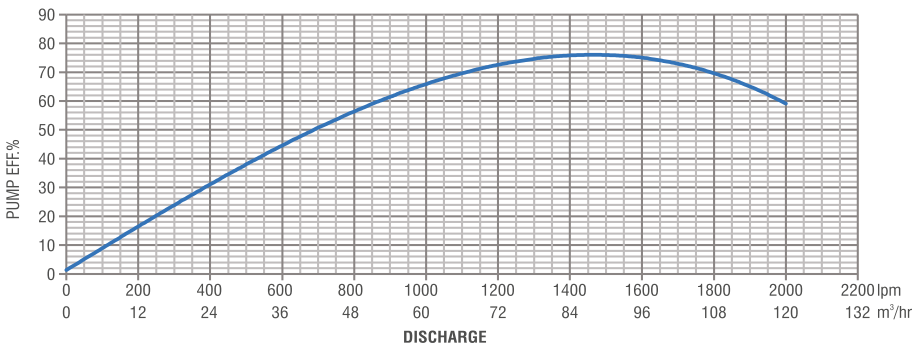
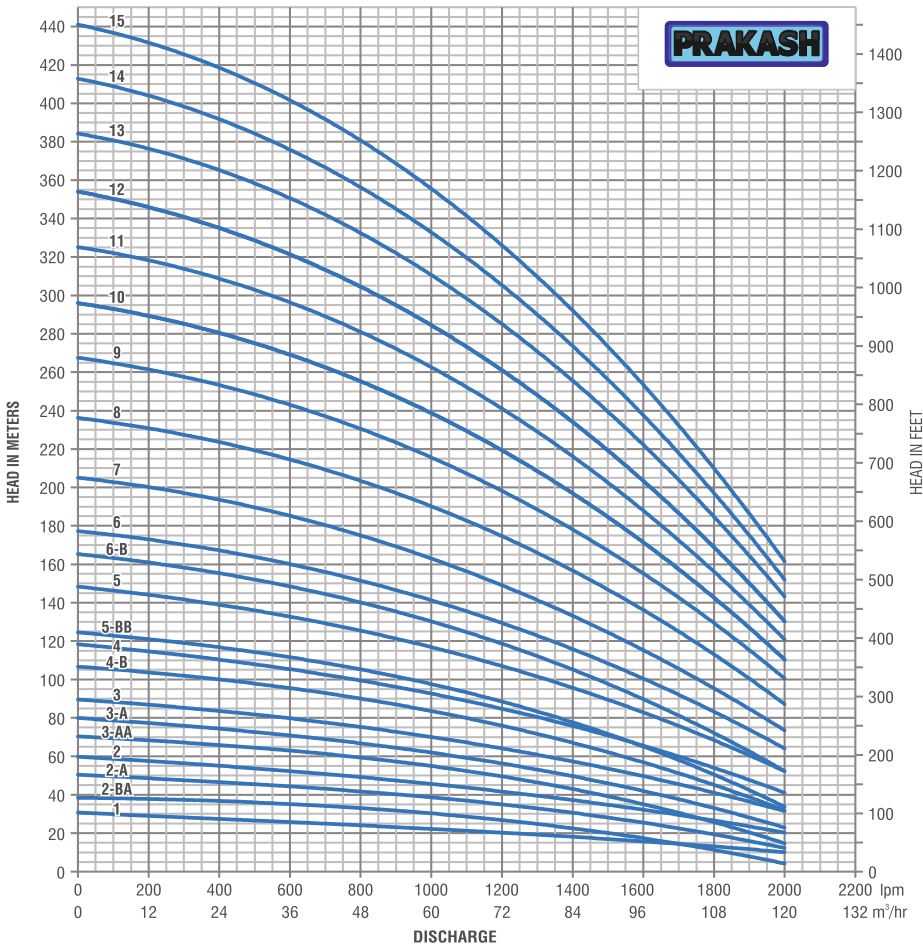
Hydraulic Pump Performance Chart 60Hz, 3450 RPM

Model	Power		C	E	Pump Weight (Kg)	Motor Joining	Q	US GPM	0	44	88	220	308	396	440	528
								M ³ /H	0	10	20	50	70	90	100	120
	KW	HP						LPM	0	167	333	833	1167	1500	1667	2000
SP-M77A-1	5.5	7.5	578	178	19	6"	Head (m)	30	30	29	23	20	17	16	10	
SP-M77A-2-BA	7.5	10	706	178	23	6"	Head (m)	38	38	38	32	27	20	16	4	
SP-M77A-2-A	9.3	13	706	178	23	6"	Head (m)	50	49	48	41	35	28	24	12	
SP-M77A-2	11.0	15	706	178	23	6"	Head (m)	59	58	57	48	41	35	31	20	
SP-M77A-3-AA	13.0	18	834	178	27	6"	Head (m)	70	69	68	58	50	40	33	14	
SP-M77A-3-A	15.0	20	834	178	27	6"	Head (m)	79	78	77	65	56	47	40	22	
SP-M77A-3	18.5	25	834	178	27	6"	Head (m)	88	88	86	73	64	55	48	31	
SP-M77A-4-B	18.5	25	962	178	30	6"	Head (m)	105	105	103	88	76	63	54	31	
SP-M77A-4	22.0	30	962	178	30	6"	Head (m)	117	116	114	97	84	72	64	40	
SP-M77A-5-BB	22.0	30	1090	178	34	6"	Head (m)	123	122	120	103	88	73	62	33	
SP-M77A-5	26.0	35	1090	178	34	6"	Head (m)	146	146	144	122	106	91	80	51	
SP-M77A-6-B	30.0	40	1218	178	38	8"	Head (m)	163	163	160	137	118	99	87	51	
SP-M77A-6	37.0	50	1218	178	38	8"	Head (m)	175	175	173	148	129	110	98	63	
SP-M77A-7	45.0	60	1346	178	42	8"	Head (m)	202	202	200	170	148	127	112	72	
SP-M77A-8	45.0	60	1474	178	49	8"	Head (m)	234	234	230	198	174	148	133	85	
SP-M77A-9	55.0	75	1602	178	51	8"	Head (m)	266	265	261	225	197	170	151	98	
SP-M77A-10	55.0	75	1730	178	54	8"	Head (m)	294	293	289	249	218	187	167	108	
SP-M77A-11	75.0	100	1858	178	58	8"	Head (m)	323	322	318	274	240	205	183	118	
SP-M77A-12	75.0	100	1986	178	62	8"	Head (m)	350	350	345	297	260	223	197	127	
SP-M77A-13	75.0	100	2114	178	65	8"	Head (m)	381	380	376	324	284	243	216	140	
SP-M77A-14	93.0	125	2242	178	69	8"	Head (m)	411	409	403	348	304	260	230	148	
SP-M77A-15	93.0	125	2369	178	72	8"	Head (m)	439	437	431	371	325	277	246	158	

Standard Pump outlet 5" NPT



HYDRAULIC PERFORMANCE CURVE SP-M77A, 60Hz, 3450rpm

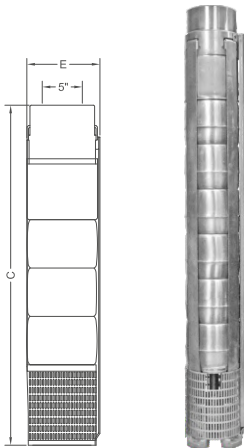


Mixed flow SP-M95A

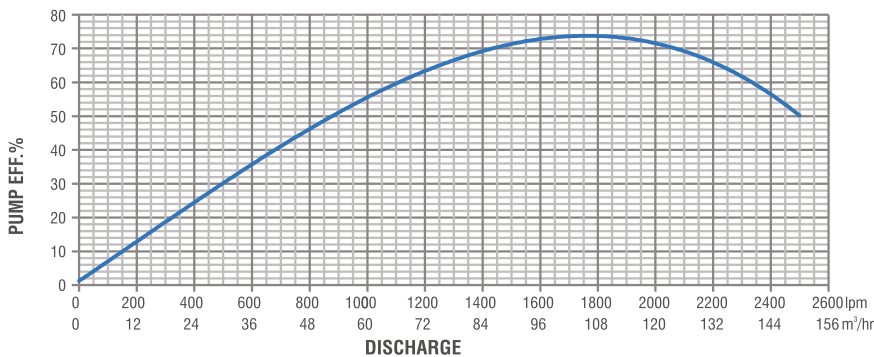
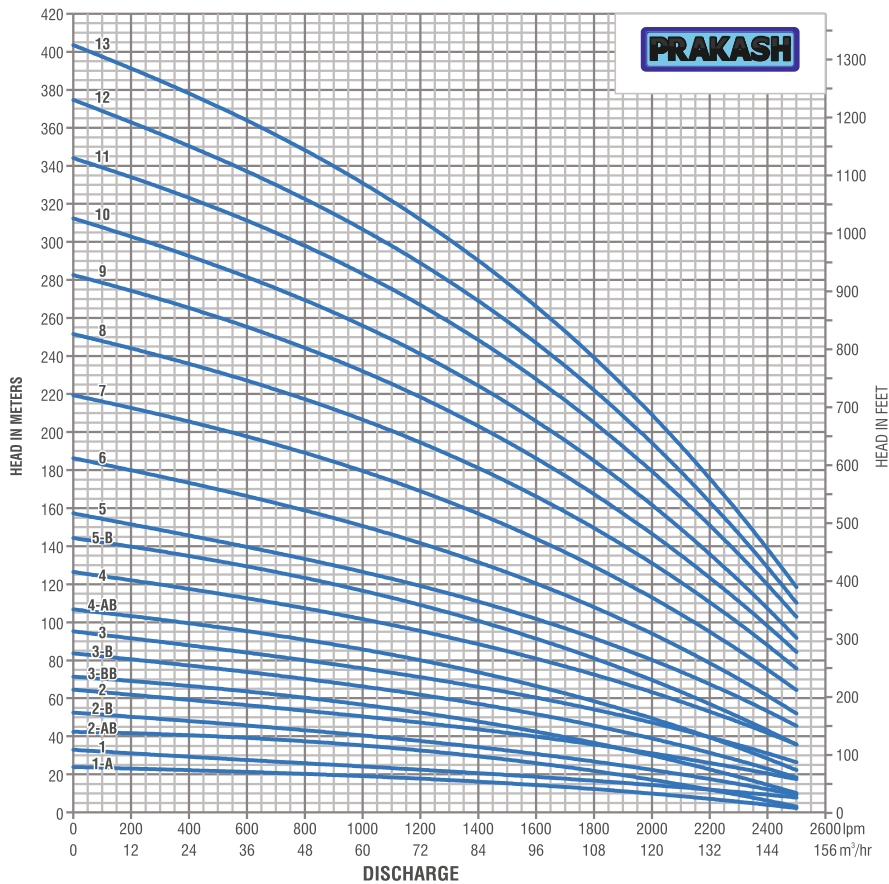
Hydraulic Pump Performance Chart 60Hz, 3450 RPM

Model	Power		C	E	Pump Weight (Kg)	Motor Joining	Q	US GPM	0	44	88	352	440	528	660
								M ³ /H	0	10	20	80	100	120	150
								LPM	0	167	333	1333	1667	2000	2500
	KW	HP													
SP-M95A-1-A	5.5	7.5	578	178	18	6"	Head (m)	23	23	23	16	14	10	2	
SP-M95A-1	7.5	10.0	578	178	18	6"	Head (m)	33	31	30	20	18	15	8	
SP-M95A-2-AB	9.3	12.5	706	178	22	6"	Head (m)	42	42	41	30	25	17	3	
SP-M95A-2-B	11.0	15.0	706	178	22	6"	Head (m)	52	51	49	35	30	23	9	
SP-M95A-2	15.0	20.0	706	178	22	6"	Head (m)	64	63	61	43	39	32	17	
SP-M95A-3-BB	15.0	20.0	834	178	26	6"	Head (m)	71	70	68	48	41	30	10	
SP-M95A-3-B	18.5	25.0	834	178	26	6"	Head (m)	83	81	79	57	50	40	18	
SP-M95A-3	22.0	30.0	834	178	26	6"	Head (m)	94	93	90	66	59	48	26	
SP-M95A-4-AB	22.0	30.0	962	178	30	6"	Head (m)	106	104	102	74	65	50	22	
SP-M95A-4	30.0	40.0	962	178	30	8"	Head (m)	125	123	121	88	79	65	35	
SP-M95A-5-B	30.0	40.0	1090	178	34	8"	Head (m)	143	141	138	101	89	71	35	
SP-M95A-5	37.0	50.0	1090	178	34	8"	Head (m)	155	153	150	110	99	83	45	
SP-M95A-6	45.0	60.0	1218	178	38	8"	Head (m)	184	182	178	131	117	97	51	
SP-M95A-7	45.0	60.0	1346	178	48	8"	Head (m)	217	215	211	157	140	116	63	
SP-M95A-8	55.0	75.0	1474	178	51	8"	Head (m)	248	247	242	180	162	135	74	
SP-M95A-9	75.0	100.0	1602	178	54	8"	Head (m)	280	277	272	202	182	150	83	
SP-M95A-10	75.0	100.0	1730	178	57	8"	Head (m)	309	307	300	223	201	166	90	
SP-M95A-11	75.0	100.0	1858	178	60	8"	Head (m)	340	338	332	247	222	185	101	
SP-M95A-12	93.0	125.0	1986	178	63	8"	Head (m)	370	367	360	267	241	200	108	
SP-M95A-13	93.0	125.0	2114	178	66	8"	Head (m)	399	395	388	289	259	215	116	

Standard Pump outlet 5" NPT



HYDRAULIC PERFORMANCE CURVE SP-M95A, 60Hz, 3450rpm



Applications

- Domestic and community water supply
- Irrigation in horticulture and agriculture
- Irrigation including drip and sprinkler application
- Booster application
- Civil and industrial application
- Fire fighting 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

- Mixed flow SP-M125A, SP-M160A.

Specifications

- Minimum internal diameter of well: 10" Ø250mm.
- Power : 11 kW to 185 kW
- Capacity : up to 250 m³/h
- Head : up to 554 m

Material of Construction (MOC)

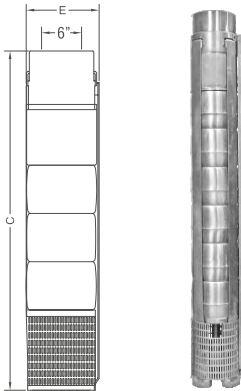
- Bowl :Stainless steel 304
- Impeller : Stainless steel 304
- NRV (discharge) : Stainless steel 304
- Shaft : Stainless steel 431
- Coupling : Stainless steel 304
- Stainer : Stainless steel 304

Mixed Flow SP-M125A

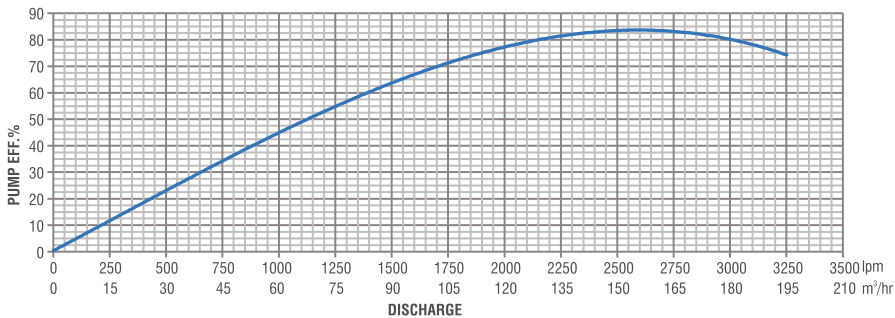
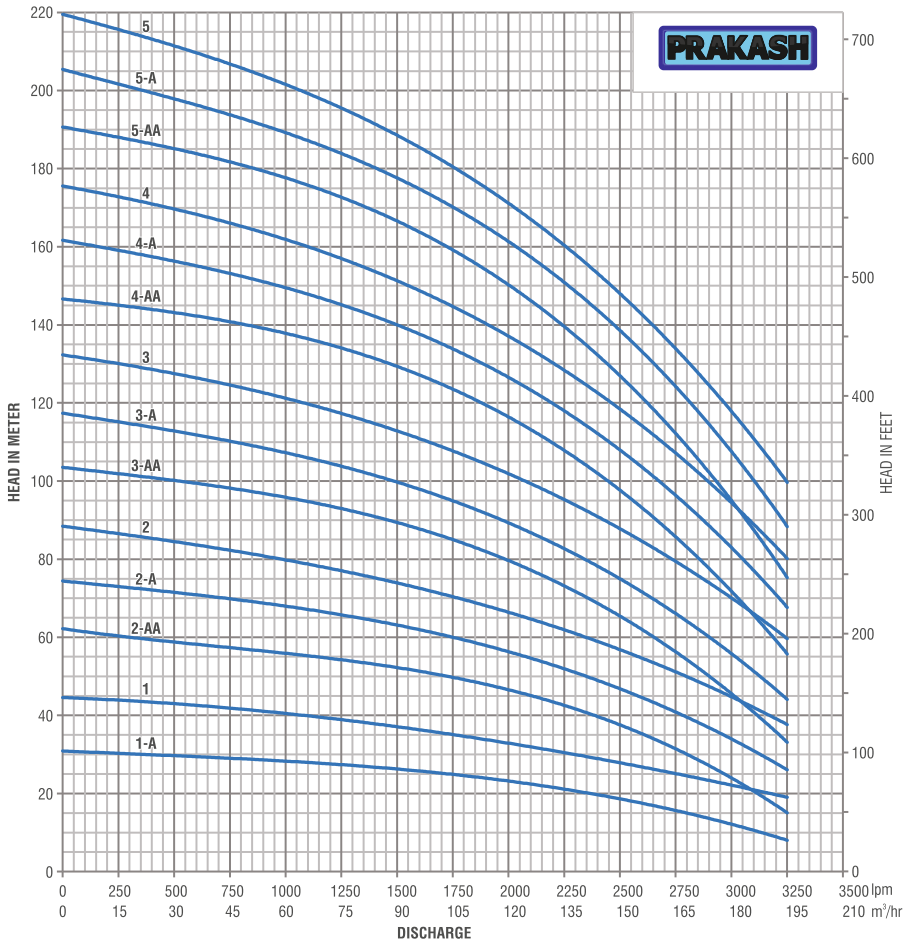
Hydraulic Pump Performance Chart 60Hz, 3450 RPM

Model	Power		C	E	Pump Weight (Kg)	Motor Joining	Q	US GPM	0	88	264	440	617	859
	KW	HP						M³/H	0	20	60	100	140	195
								LPM	0	333	1000	1667	2334	3251
SP-M125A-1-A	11.0	15.0	594	213	25	6"	Head (m)	31	31	28	25	21	8	
SP-M125A-1	18.5	25.0	594	213	25	6"	Head (m)	44	44	41	35	30	19	
SP-M125A-2-AA	22.0	30.0	750	213	31	6"	Head (m)	62	60	56	50	41	15	
SP-M125A-2-A	26.0	35.0	750	213	31	6"	Head (m)	74	73	68	60	51	26	
SP-M125A-2	30.0	40.0	750	213	31	6"	Head (m)	88	87	80	71	61	38	
SP-M125A-3-AA	37.0	50.0	906	213	37	8"	Head (m)	103	102	96	85	72	33	
SP-M125A-3-A	37.0	50.0	906	213	37	8"	Head (m)	117	115	108	95	81	44	
SP-M125A-3	45.0	60.0	906	213	40	8"	Head (m)	132	130	122	108	94	59	
SP-M125A-4-AA	55.0	75.0	1062	213	46	8"	Head (m)	146	145	138	124	106	55	
SP-M125A-4-A	55.0	75.0	1062	213	46	8"	Head (m)	161	159	150	134	116	67	
SP-M125A-4	66.0	90.0	1062	213	46	8"	Head (m)	175	173	163	145	127	80	
SP-M125A-5-AA	75.0	100.0	1218	213	52	8"	Head (m)	190	188	178	160	137	75	
SP-M125A-5-A	75.0	100.0	1218	213	52	8"	Head (m)	205	201	190	171	148	88	
SP-M125A-5	75.0	100.0	1218	213	52	8"	Head (m)	219	215	202	181	158	99	
SP-M125A-6-AA	75.0	100.0	1374	213	58	8"	Head (m)	235	230	218	195	167	94	
SP-M125A-6-A	93.0	125.0	1374	218	58	8"	Head (m)	248	243	230	205	177	105	
SP-M125A-6	93.0	125.0	1374	218	58	8"	Head (m)	258	255	241	215	188	117	
SP-M125A-7-AA	93.0	125.0	1530	218	64	8"	Head (m)	275	270	255	230	196	110	
SP-M125A-7-A	93.0	125.0	1530	218	64	8"	Head (m)	287	283	267	239	207	122	
SP-M125A-7	110.0	150.0	1530	218	64	10"	Head (m)	302	298	282	252	220	137	
SP-M125A-8	135.0	180.0	1686	218	70	10"	Head (m)	349	344	326	292	256	163	
SP-M125A-9	135.0	180.0	1842	218	76	10"	Head (m)	389	385	365	326	287	182	
SP-M125A-10	150.0	200.0	1998	218	82	10"	Head (m)	434	430	408	365	321	205	
SP-M125A-11	165.0	225.0	2154	237	88	10"	Head (m)	476	472	450	402	355	226	
SP-M125A-12	185.0	250.0	2310	237	94	10"	Head (m)	513	509	482	430	375	233	
SP-M125A-13	185.0	250.0	2466	237	100	10"	Head (m)	554	549	520	461	401	247	

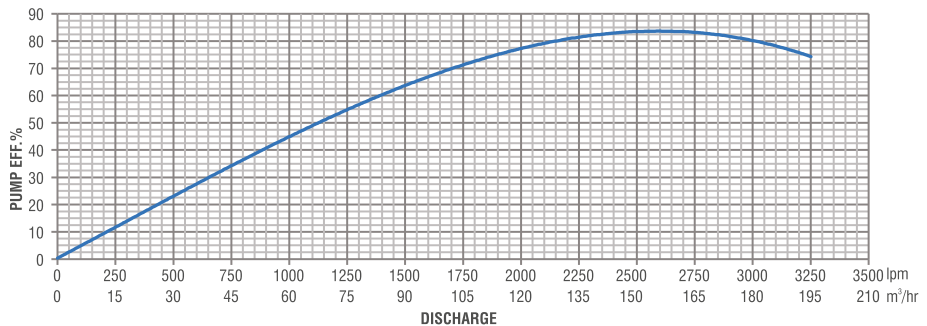
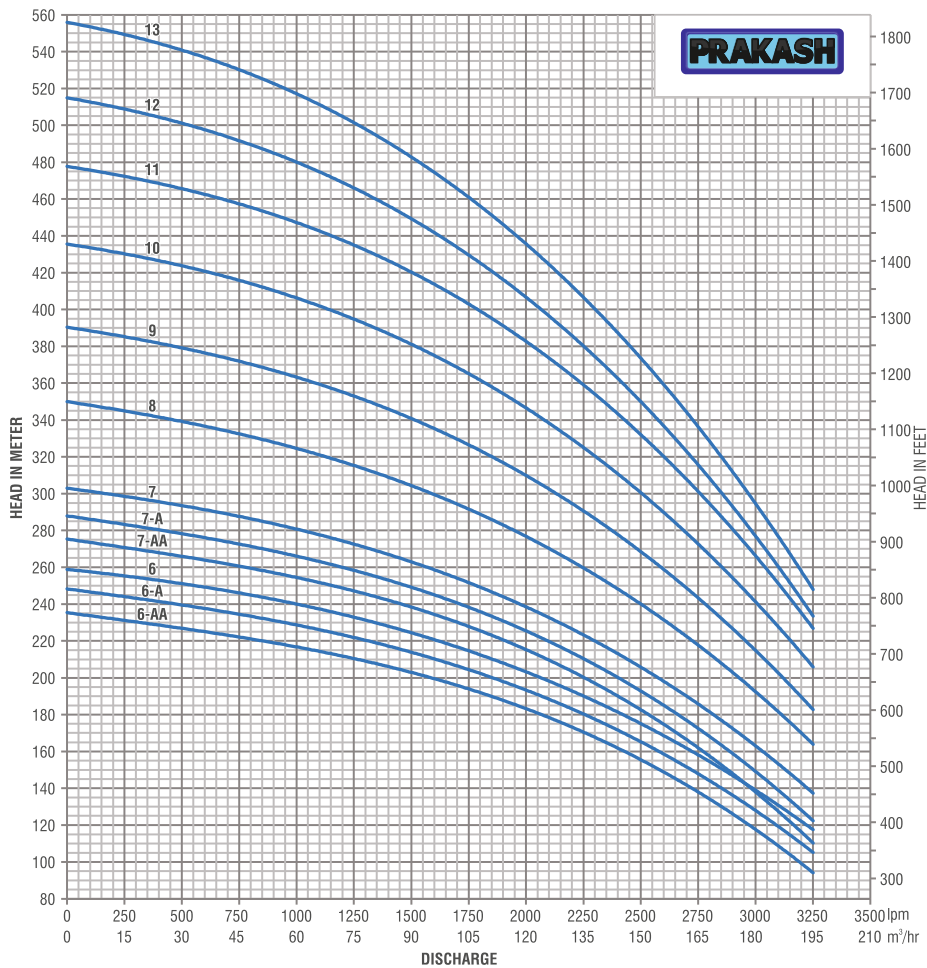
Standard Pump Outlet 6" NPT



HYDRAULIC PERFORMANCE CURVE SP-M125A 60Hz, 3450 rpm



HYDRAULIC PERFORMANCE CURVE SP-M125A 60Hz, 3450 rpm

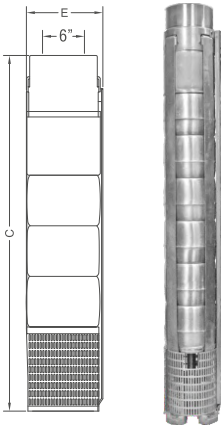


Mixed Flow SP-M160A

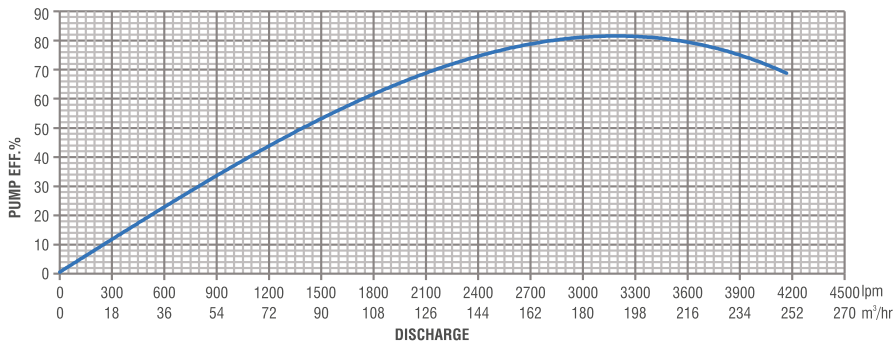
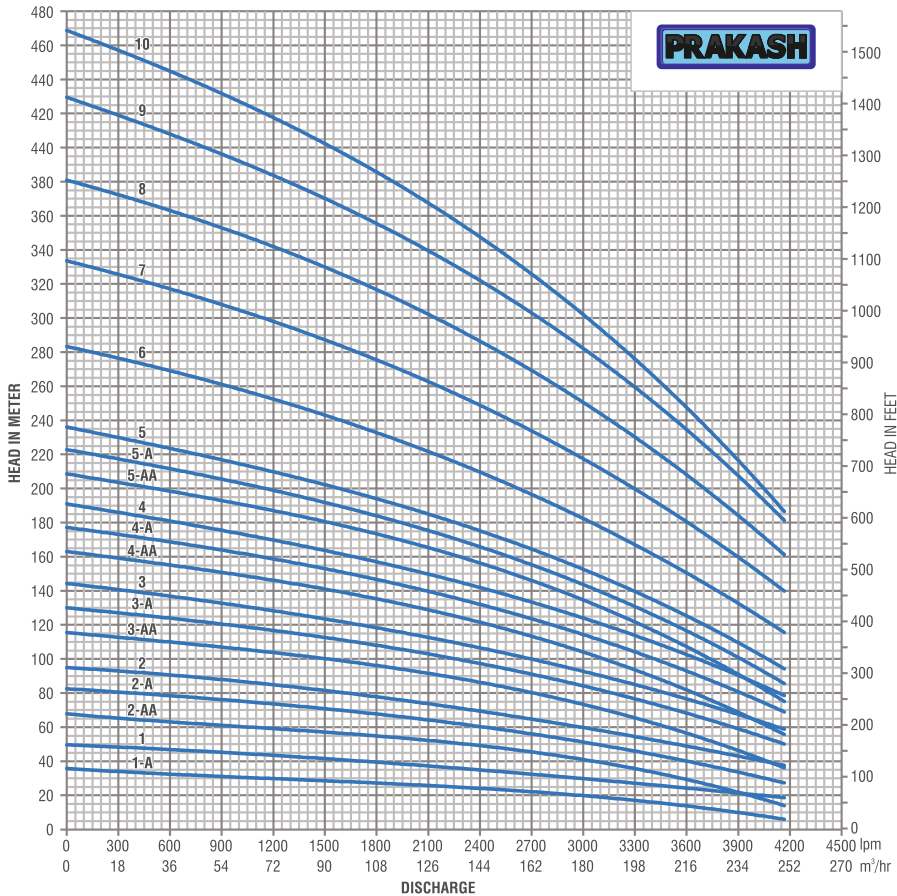
Hydraulic Pump Performance Chart 60Hz, 3450 RPM

Model	Power		C	E	Pump Weight (Kg)	Motor Joining	Q	US GPM	0	88	352	617	881	1101
	kW	HP						M³/H	0	20	80	140	200	250
								LPM	0	333	1333	2334	3334	4168
SP-M160A-1-A	15.0	20.0	581	213	25	6"	Head (m)	35	35	29	24	17	6	
SP-M160A-1	22.0	30.0	581	213	25	6"	Head (m)	49	49	43	34	28	18	
SP-M160A-2-AA	26.0	35.0	737	213	31	6"	Head (m)	67	66	58	49	36	14	
SP-M160A-2-A	37.0	50.0	737	213	31	8"	Head (m)	82	81	73	59	47	27	
SP-M160A-2	37.0	50.0	737	213	31	8"	Head (m)	94	94	84	68	56	37	
SP-M160A-3-AA	45.0	60.0	906	213	40	8"	Head (m)	115	113	103	86	66	36	
SP-M160A-3-A	55.0	75.0	906	213	40	8"	Head (m)	129	128	116	96	78	49	
SP-M160A-3	55.0	75.0	906	213	40	8"	Head (m)	143	142	127	105	87	58	
SP-M160A-4-AA	66.0	90.0	1062	213	46	8"	Head (m)	162	160	145	120	95	55	
SP-M160A-4-A	75.0	100.0	1062	213	46	8"	Head (m)	176	174	158	130	106	68	
SP-M160A-4	75.0	100.0	1062	213	46	8"	Head (m)	189	188	168	140	116	77	
SP-M160A-5-AA	93.0	125.0	1218	218	52	8"	Head (m)	207	205	185	155	123	74	
SP-M160A-5-A	93.0	125.0	1218	218	52	8"	Head (m)	221	219	197	164	133	84	
SP-M160A-5	93.0	125.0	1218	218	52	8"	Head (m)	234	232	208	173	142	93	
SP-M160A-6	110.0	150.0	1374	218	58	8"	Head (m)	281	279	250	207	170	114	
SP-M160A-7	135.0	180.0	1530	218	64	10"	Head (m)	331	328	295	246	203	138	
SP-M160A-8	150.0	200.0	1686	218	70	10"	Head (m)	378	375	339	283	234	159	
SP-M160A-9	165.0	225.0	1842	237	76	10"	Head (m)	426	422	380	318	264	179	
SP-M160A-10	185.0	250.0	1998	237	82	10"	Head (m)	465	461	413	344	280	184	

Standard Pump Outlet 6" NPT



HYDRAULIC PERFORMANCE CURVE SP-M160A 60Hz, 3450 rpm



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