



Quality, Reliability, Life

# 6" Submersible Stainless Steel Pump 60 Hz



[www.prakashpump.com](http://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 50g/m<sup>3</sup>
- 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 90m<sup>3</sup>/hr
- Head : up to 540m

## Material of Construction (MOC)

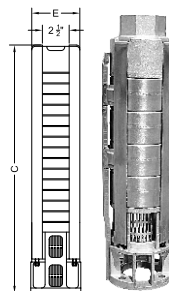
- Bowl :Stainless steel 304
- Impeller : Stainless steel 304
- NRV (discharge) : Stainless steel 304
- Shaft : Stainless steel 431
- Coupling : Stainless steel 304
- Stainer : Stainless steel 304

## Radial flow SP-R17A

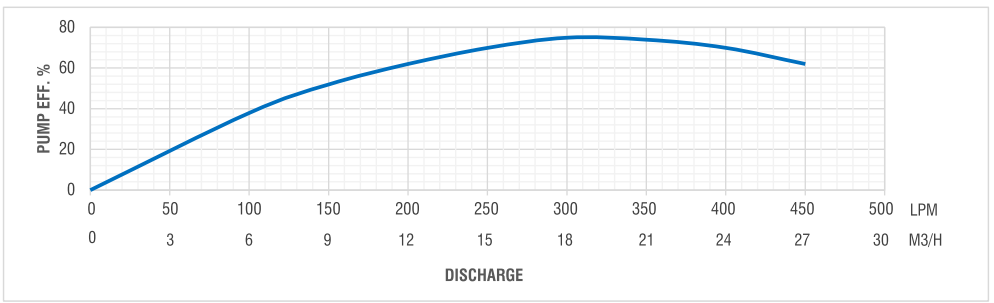
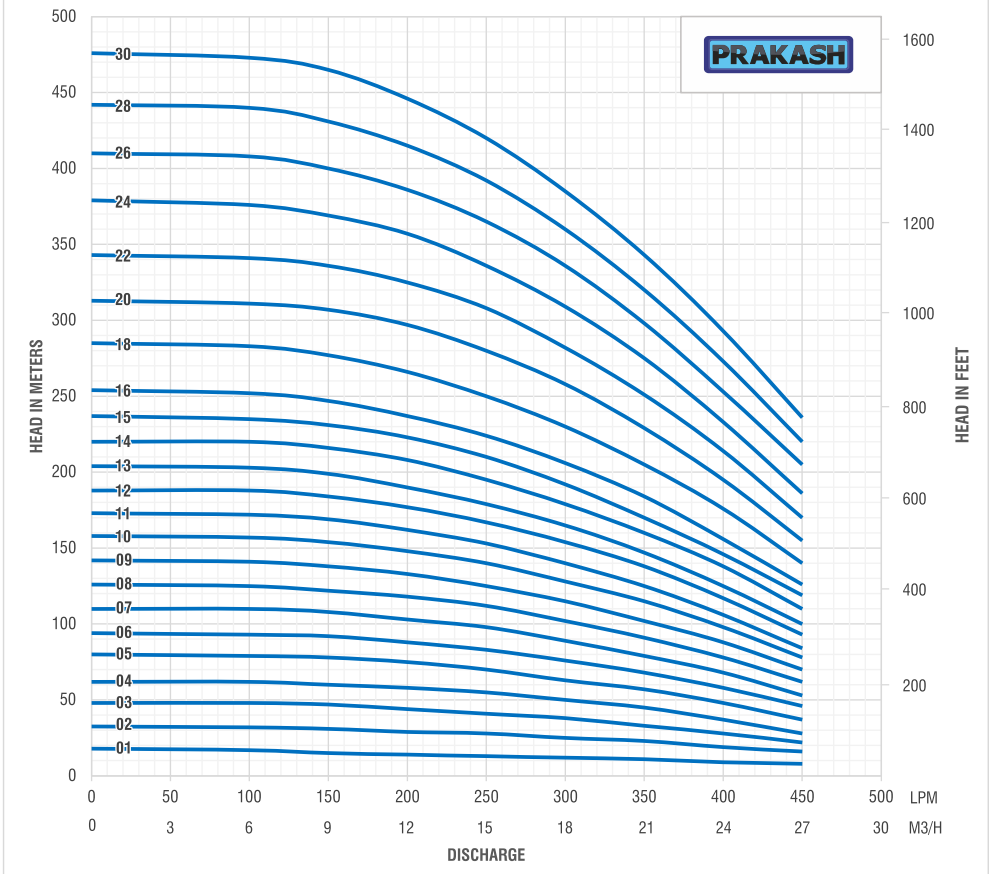
## HYDRAULIC PERFORMANCE CHART, 60Hz, 3450 RPM

Model	Power		E (mm)	C (mm)	Pump Weight (Kg)	Motor Joining	Q	US GPM	0	26	53	66	79	92	106	119
	Kw	HP						M3/H	0	6	12	15	18	21	24	27
								LPM	0	100	200	250	300	350	400	450
SP-R17A-01	1.1	1.5	131	343	5.0	6"	Head (m)	18	17	14	13	12	11	9	8	
SP-R17A-02	2.2	3.0	131	403	6.4	6"	Head (m)	32.5	32	29	28	25	23	19	16	
SP-R17A-03	3.0	4.0	131	464	7.9	6"	Head (m)	48	48	44	41	38	33	28	22	
SP-R17A-04	4.0	5.5	131	524	9.3	6"	Head (m)	62	62	58	55	50	45	37	28	
SP-R17A-05	5.5	7.5	131	585	10.8	6"	Head (m)	80	79	75	70	63	57	48	37	
SP-R17A-06	5.5	7.5	131	645	12.2	6"	Head (m)	94	93	88	83	76	68	58	46	
SP-R17A-07	7.5	10	142	706	13.7	6"	Head (m)	110	110	103	98	89	79	68	53	
SP-R17A-08	7.5	10	142	766	15.1	6"	Head (m)	126	125	118	112	102	91	78	62	
SP-R17A-09	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

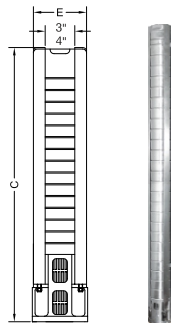


## Mixed flow SP-M30A

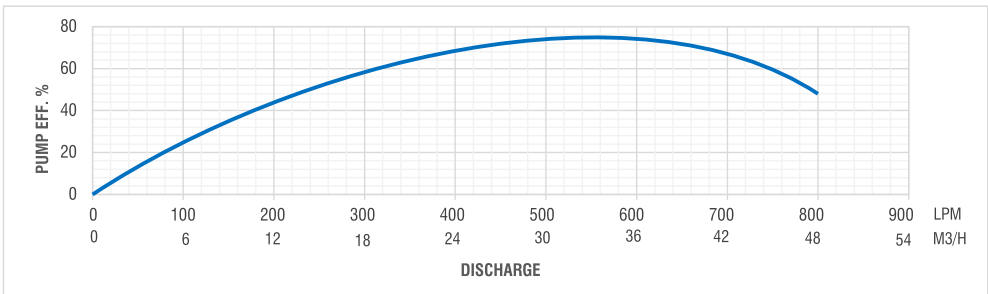
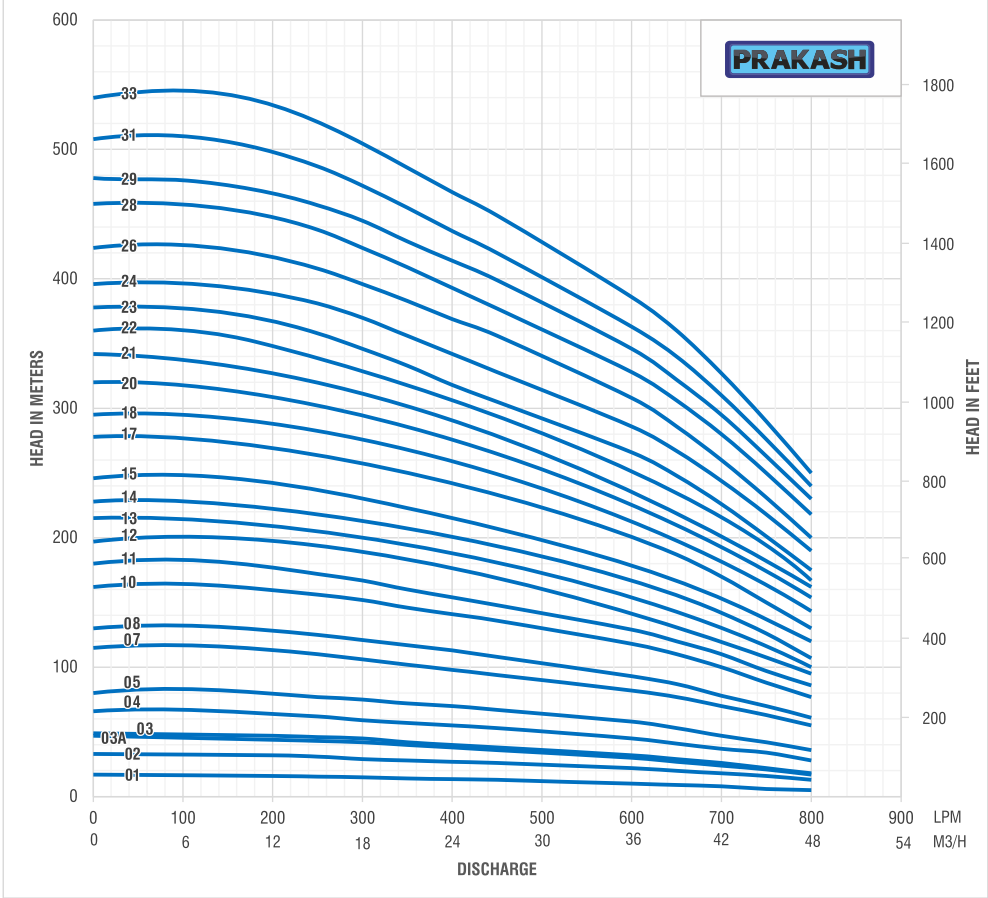
## Hydraulic Performance Chart 60Hz, 3450 RPM

Model	Power		E (mm)	C (mm)	Pump Weight (Kg)	Motor Joining	Q	US GPM	0	53	79	106	158	185	198	211
	Kw	HP						M3/H	0	12	18	24	36	42	45	48
								LPM	0	200	300	400	600	700	750	800
SP-M30A-01	1.5	2.0	131	366	6.7	6"	Head (m)	17	16	15	13.5	10	8	6	5	
SP-M30A-02	3.0	4.0	131	462	8.4	6"	Head (m)	33	32	29	27	22	18	16	13	
SP-M30A-03A	4.0	5.5	131	558	10.1	6"	Head (m)	47	44	42	38	30	24	21	17	
SP-M30A-03	4.0	5.5	131	558	10.1	6"	Head (m)	49	47	45	40	32	26	22	18	
SP-M30A-04	5.5	7.5	131	654	11.8	6"	Head (m)	66	63	59	55	45	37	34	28	
SP-M30A-05	7.5	10	142	750	13.5	6"	Head (m)	80	79	75	70	58	47	42	36	
SP-M30A-07	9.3	12.5	142	942	16.9	6"	Head (m)	115	113	106	98	82	70	63	55	
SP-M30A-08	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	26	35	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



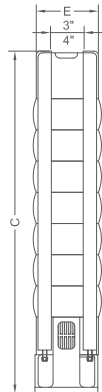
### HYDRAULIC PERFORMANCE CURVE SP-M30A 3450RPM, 60Hz



## Mixed flow SP-M46A

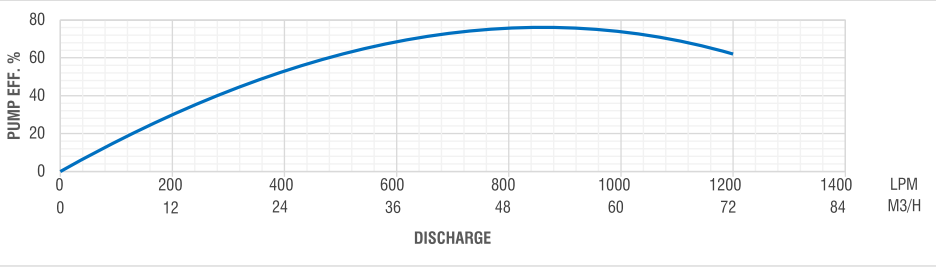
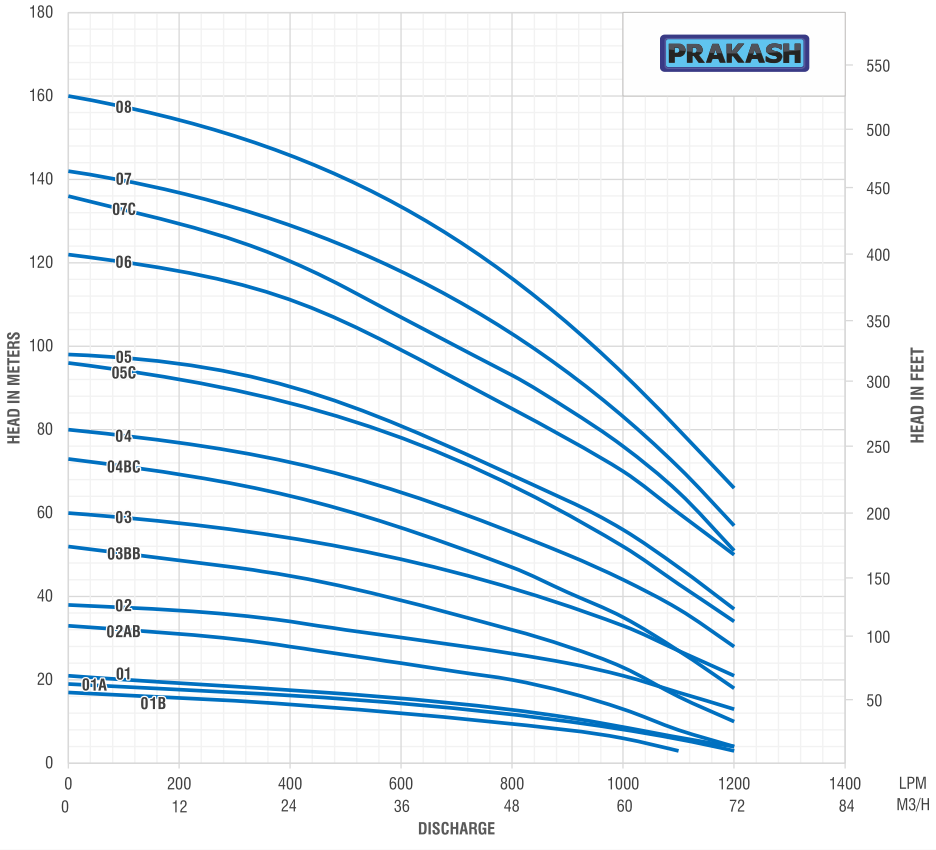
## Hydraulic Pump Performance Chart 60Hz, 3450 RPM

Model	Power		E (mm)	C (mm)	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-01-B	1.5	2.0	146	383	6.9	6"	Head (m)	17	15	14	12.5	11	9	6		
SP-M46A-01-A	2.2	3.0	146	383	6.9	6"	Head (m)	19	17	16	15	14	11	8	3	
SP-M46A-01	3.0	4.0	146	383	6.9	6"	Head (m)	21	18	17	16	14	12	8	4	
SP-M46A-02-AB	4.0	5.5	146	496	9.2	6"	Head (m)	33	30	28	26	24	20	13	4	
SP-M46A-02	5.5	7.5	146	496	9.2	6"	Head (m)	38	36	34	32	29	26	21	13	
SP-M46A-03-BB	5.5	7.5	146	609	11.5	6"	Head (m)	52	47	45	42	38	32	23	10	
SP-M46A-03	7.5	10	149	609	11.5	6"	Head (m)	60	57	54	51	47	40	33	21	
SP-M46A-04-BC	7.5	10	149	722	13.7	6"	Head (m)	73	68	64	60	55	47	35	18	
SP-M46A-04	9.3	12.5	149	722	13.7	6"	Head (m)	80	76	72	67	63	55	44	28	
SP-M46A-05-C	11	15	149	835	16.0	6"	Head (m)	96	91	85	81	75	65	52	34	
SP-M46A-05	13	17.5	149	835	16.0	6"	Head (m)	98	93	88	83	77	68	56	37	
SP-M46A-06	15	20	149	948	18.3	6"	Head (m)	122	117	112	104	97	85	70	50	
SP-M46A-07-C	15	20	149	1061	20.6	6"	Head (m)	136	126	120	114	107	93	76	51	
SP-M46A-07	18.5	25	149	1061	20.6	6"	Head (m)	142	136	128	121	113	98	83	57	
SP-M46A-08	18.5	25	149	1174	22.9	6"	Head (m)	160	153	146	137	127	113	94	66	
SP-M46A-09	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	

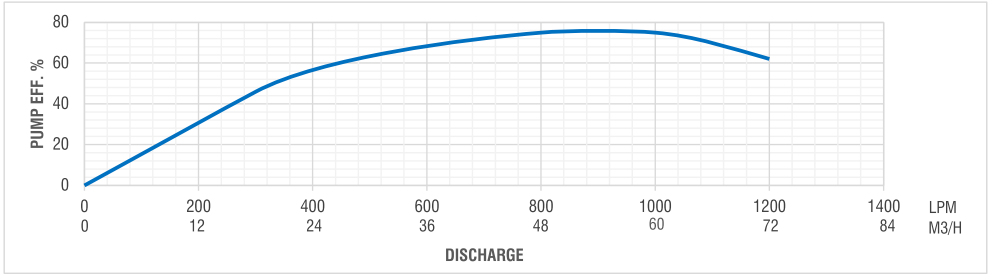
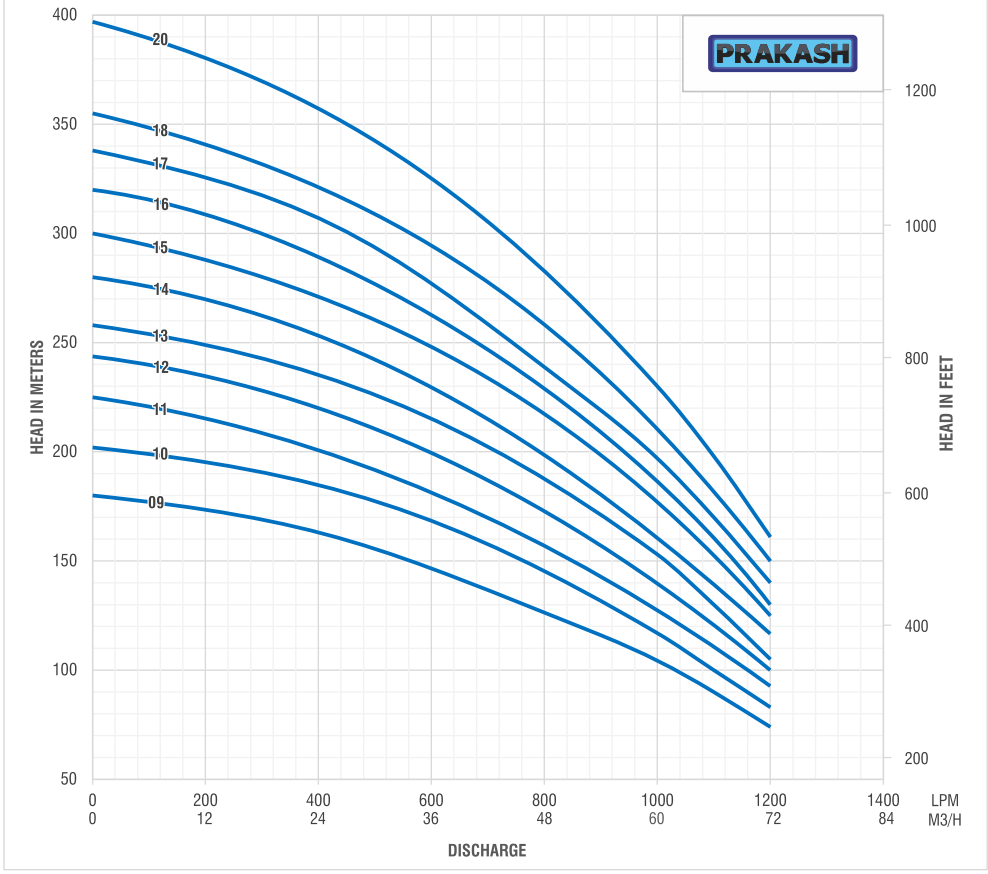


Standard Pump Outlet 4" NPT  
Available on Request Outlet 3" NPT

HYDRAULIC PERFORMANCE CURVE SP-M46A 3450RPM, 60Hz



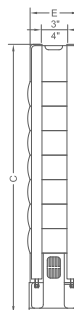
HYDRAULIC PERFORMANCE CURVE SP-M46A 3450RPM, 60Hz



## Mixed flow SP-M60A

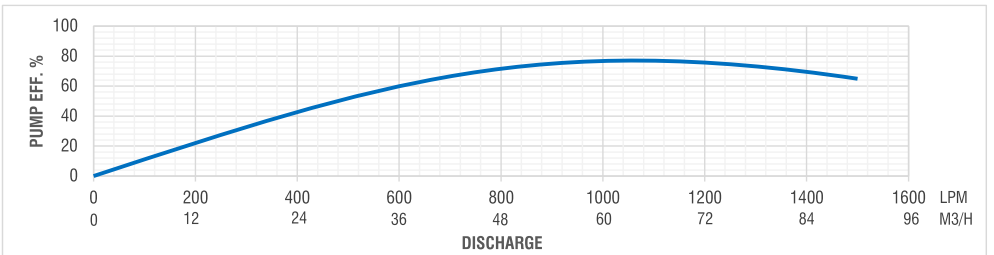
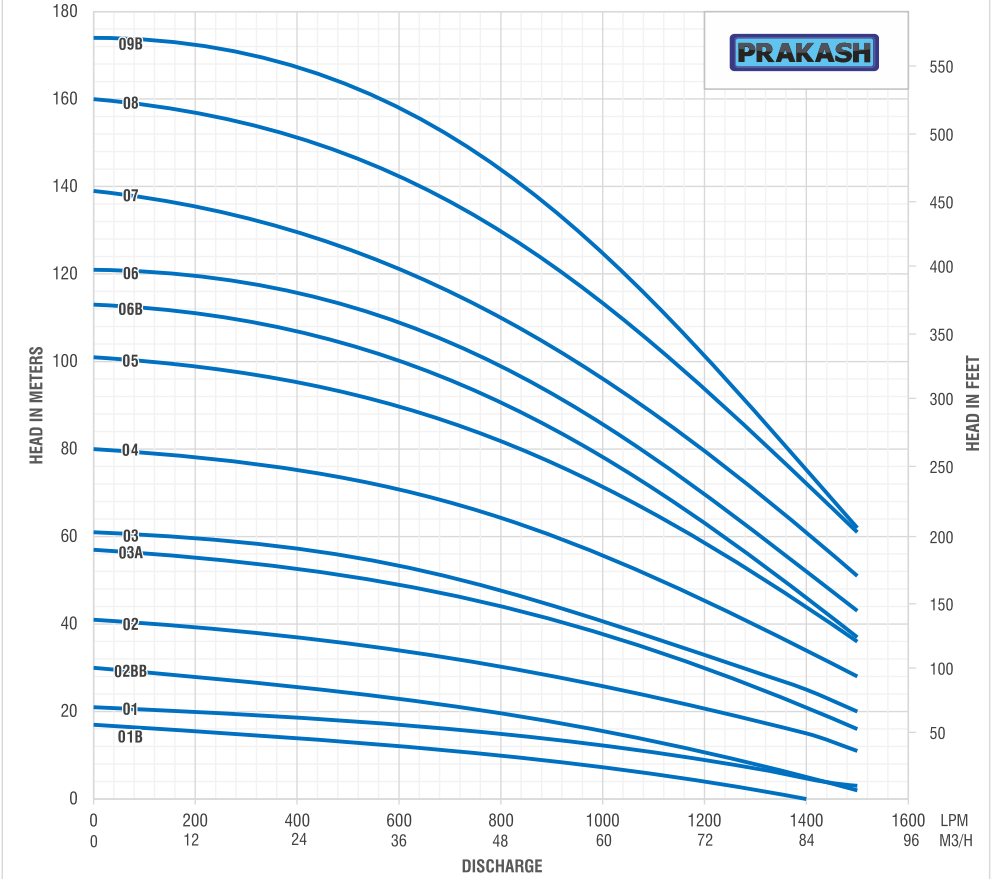
## Hydraulic Pump Performance Chart 60Hz, 3450 RPM

Model	Power		E (mm)	C (mm)	Pump Weight (Kg)	Motor Joining	Q	US GPM	0	106	158	211	264	317	396
	Kw	HP						M3/H	0	24	36	48	60	72	90
								LPM	0	400	600	800	1000	1200	1500
SP-M60A-01-B	2.2	3.0	146	383	6.9	6"	Head (m)	17	14	11	9	7	4	0	
SP-M60A-01	4.0	5.5	146	383	6.9	6"	Head (m)	21	19	16	13	10	8	3	
SP-M60A-02-BB	4.0	5.5	146	496	9.2	6"	Head (m)	30	26	23	20	17	12	2	
SP-M60A-02	5.5	7.5	146	496	9.2	6"	Head (m)	41	38	34	28	24	19	11	
SP-M60A-03-A	7.5	10	149	609	11.5	6"	Head (m)	57	54	48	41	35	28	16	
SP-M60A-03	9.3	12.5	149	609	11.5	6"	Head (m)	61	59	53	46	38	33	20	
SP-M60A-04	11	15	149	722	13.7	6"	Head (m)	80	77	69	59	51	44	28	
SP-M60A-05	13	17.5	149	835	16.0	6"	Head (m)	101	98	88	76	66	56	36	
SP-M60A-06-B	15	20	149	948	18.3	6"	Head (m)	113	108	97	84	72	60	37	
SP-M60A-06-6	18.5	25	149	948	18.3	6"	Head (m)	121	117	105	90	78	67	43	
SP-M60A-07	18.5	25	149	1061	20.6	6"	Head (m)	139	134	121	106	91	78	51	
SP-M60A-08	22	30	149	1174	22.9	6"	Head (m)	160	156	140	122	106	91	61	
SP-M60A-09-B	22	30	149	1287	25.1	6"	Head (m)	174	168	152	132	114	96	62	
SP-M60A-09	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	

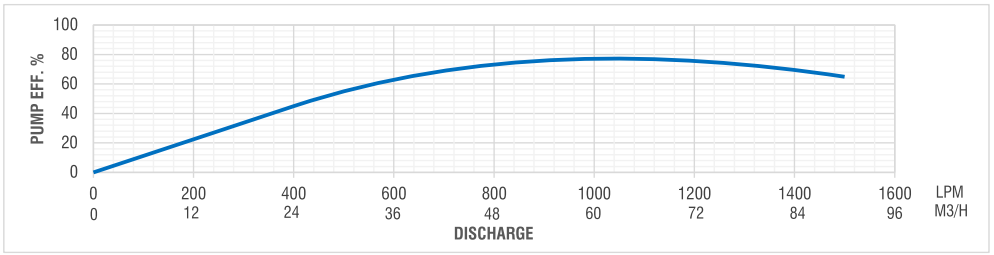
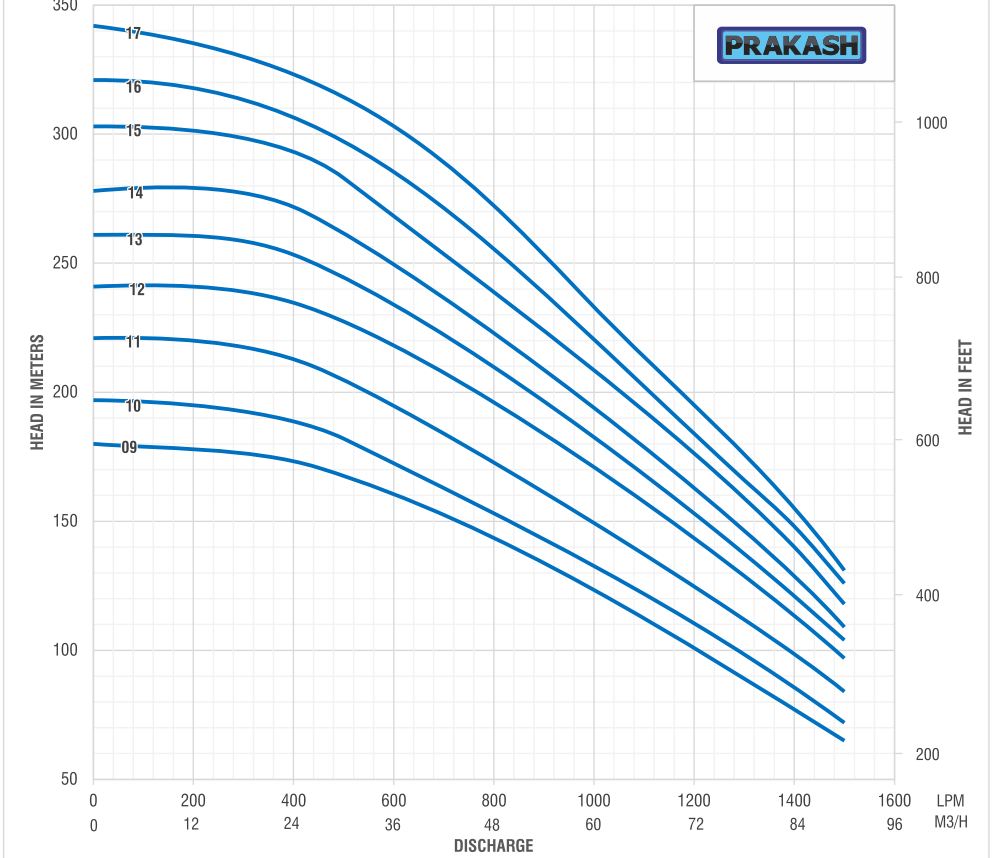


Standard Pump Outlet 4" NPT  
Available on Request Outlet 3" NPT

HYDRAULIC PERFORMANCE CURVE SP-M60A 3450RPM, 60Hz



HYDRAULIC PERFORMANCE CURVE SP-M60A 3450RPM, 60Hz



# PRAKASH

Office in India

## PRAKASH PUMP

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Distributor Office for Middle East

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Distributor Office for Oman

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Distributor Office for Saudi Arabia

## PRAKASH PUMP INDUSTRY

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Factory Address

## PANJI ENGINEERING PVT LTD

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To get

Quotation by email



PRAKASHPUMPEST

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[sale@prakashpump.com](mailto:sale@prakashpump.com) / [oman@prakashpump.com](mailto:oman@prakashpump.com)  
/ [saudi@prakashpump.com](mailto:saudi@prakashpump.com)



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