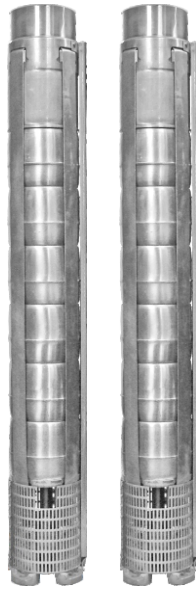


# PRAKASH

Quality, Reliability, Life

## 10" Submersible Stainless Steel Pump 60 Hz



[www.prakashpump.com](http://www.prakashpump.com)

## 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/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

- Mixed flow SP-M125A, SP-M160A.

## Specifications

- Minimum internal diameter of well: 10" Ø250mm.
- Power : 11 kW to 185 kW
- Capacity : up to 250 m<sup>3</sup>/h
- Head : up to 554 m

## Material of Construction (MOC)

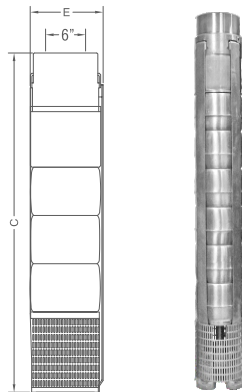
- Bowl :Stainless steel 304
- Impeller : Stainless steel 304
- NRV (discharge) : Stainless steel 304
- Shaft : Stainless steel 431
- Coupling : Stainless steel 304
- Stainer : Stainless steel 304

## Mixed Flow SP-M125A

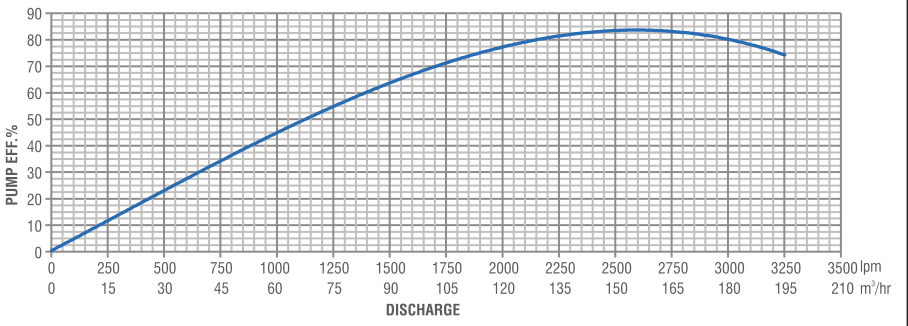
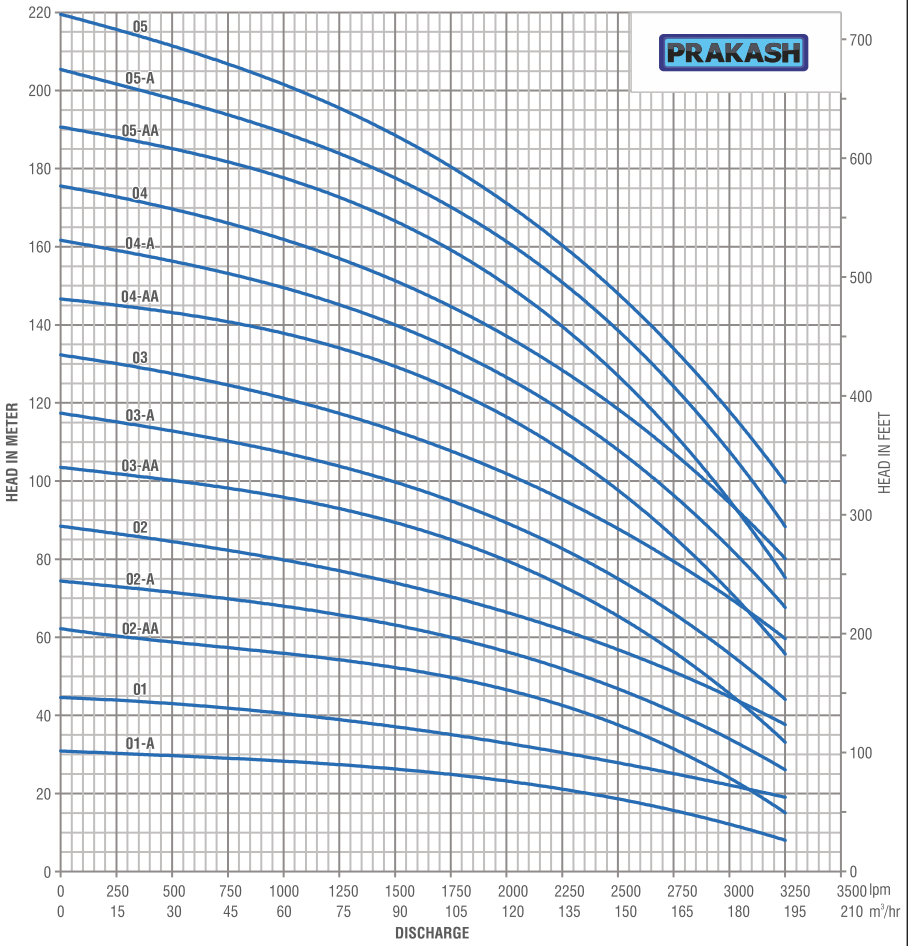
## Hydraulic Pump Performance Chart 60Hz, 3450 RPM

Model	Power		C (mm)	E (mm)	Pump Weight (Kg)	Motor Joining	Q	US GPM	0	88	264	440	617	859
	KW	HP						M <sup>3</sup> /H	0	20	60	100	140	195
								LPM	0	333	1000	1667	2334	3251
SP-M125A-01-A	11.0	15.0	594	213	25	6"	Head (m)	31	31	28	25	21	18	8
SP-M125A-01	18.5	25.0	594	213	25	6"	Head (m)	44	44	41	35	30	19	19
SP-M125A-02-AA	22.0	30.0	750	213	31	6"	Head (m)	62	60	56	50	41	15	15
SP-M125A-02-A	26.0	35.0	750	213	31	6"	Head (m)	74	73	68	60	51	26	26
SP-M125A-02	30.0	40.0	750	213	31	6"	Head (m)	88	87	80	71	61	38	38
SP-M125A-03-AA	37.0	50.0	906	213	37	8"	Head (m)	103	102	96	85	72	33	33
SP-M125A-03A	37.0	50.0	906	213	37	8"	Head (m)	117	115	108	95	81	44	44
SP-M125A-03	45.0	60.0	906	213	40	8"	Head (m)	132	130	122	108	94	59	59
SP-M125A-04-AA	55.0	75.0	1062	213	46	8"	Head (m)	146	145	138	124	106	55	55
SP-M125A-04-A	55.0	75.0	1062	213	46	8"	Head (m)	161	159	150	134	116	67	67
SP-M125A-04	66.0	90.0	1062	213	46	8"	Head (m)	175	173	163	145	127	80	80
SP-M125A-05-AA	75.0	100.0	1218	213	52	8"	Head (m)	190	188	178	160	137	75	75
SP-M125A-05-A	75.0	100.0	1218	213	52	8"	Head (m)	205	201	190	171	148	88	88
SP-M125A-05	75.0	100.0	1218	213	52	8"	Head (m)	219	215	202	181	158	99	99
SP-M125A-06-AA	75.0	100.0	1374	213	58	8"	Head (m)	235	230	218	195	167	94	94
SP-M125A-06-A	93.0	125.0	1374	218	58	8"	Head (m)	248	243	230	205	177	105	105
SP-M125A-06	93.0	125.0	1374	218	58	8"	Head (m)	258	255	241	215	188	117	117
SP-M125A-07-AA	93.0	125.0	1530	218	64	8"	Head (m)	275	270	255	230	196	110	110
SP-M125A-07-A	93.0	125.0	1530	218	64	8"	Head (m)	287	283	267	239	207	122	122
SP-M125A-07	110.0	150.0	1530	218	64	10"	Head (m)	302	298	282	252	220	137	137
SP-M125A-08	135.0	180.0	1686	218	70	10"	Head (m)	349	344	326	292	256	163	163
SP-M125A-09	135.0	180.0	1842	218	76	10"	Head (m)	389	385	365	326	287	182	182
SP-M125A-10	150.0	200.0	1998	218	82	10"	Head (m)	434	430	408	365	321	205	205
SP-M125A-11	165.0	225.0	2154	237	88	10"	Head (m)	476	472	450	402	355	226	226
SP-M125A-12	185.0	250.0	2310	237	94	10"	Head (m)	513	509	482	430	375	233	233
SP-M125A-13	185.0	250.0	2466	237	100	10"	Head (m)	554	549	520	461	401	247	247

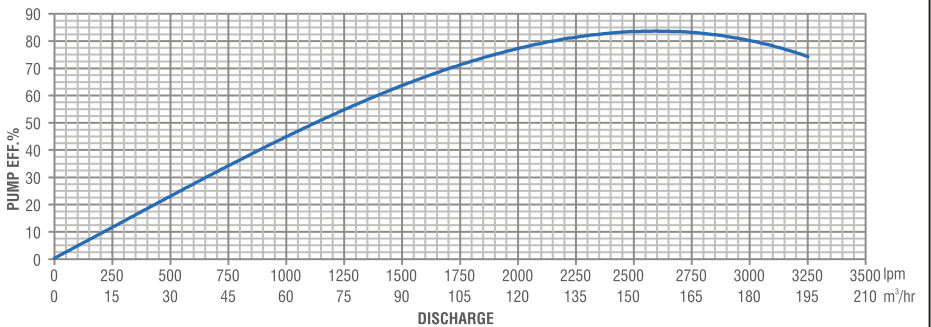
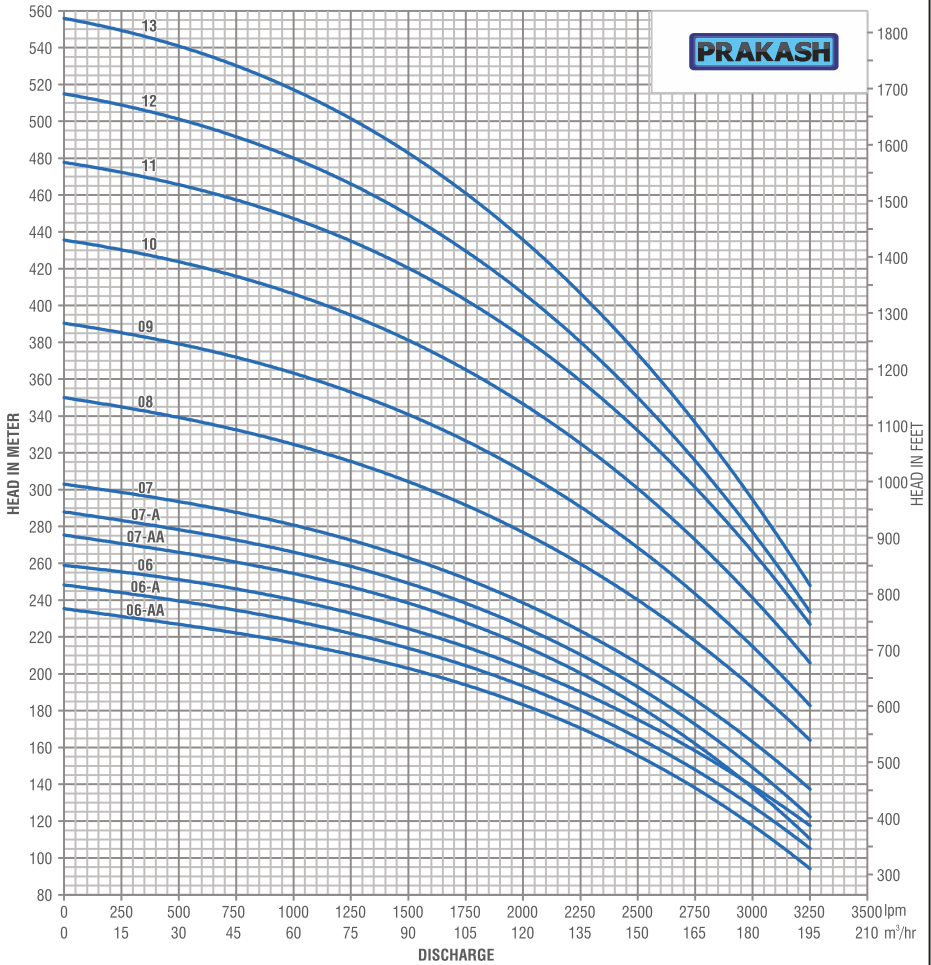
### Standard Pump Outlet 6" NPT



### HYDRAULIC PERFORMANCE CURVE SP-M125A 60Hz, 3450 rpm



## HYDRAULIC PERFORMANCE CURVE SP-M125A 60Hz, 3450 rpm

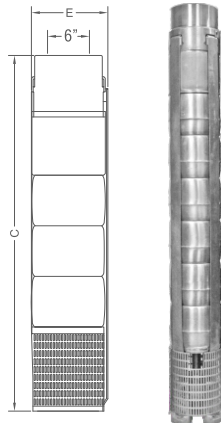


## Mixed Flow SP-M160A

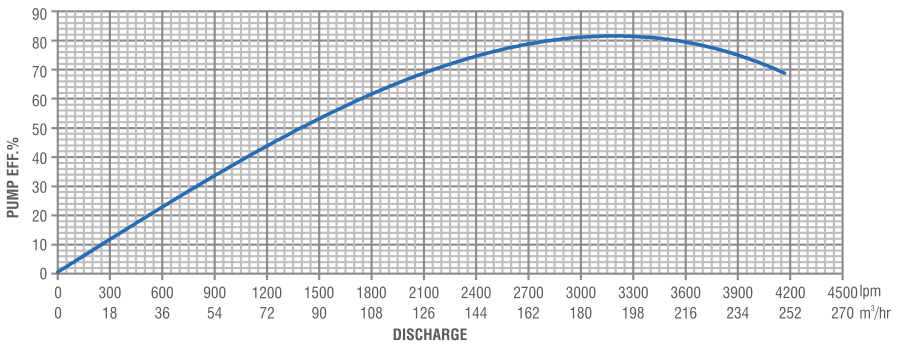
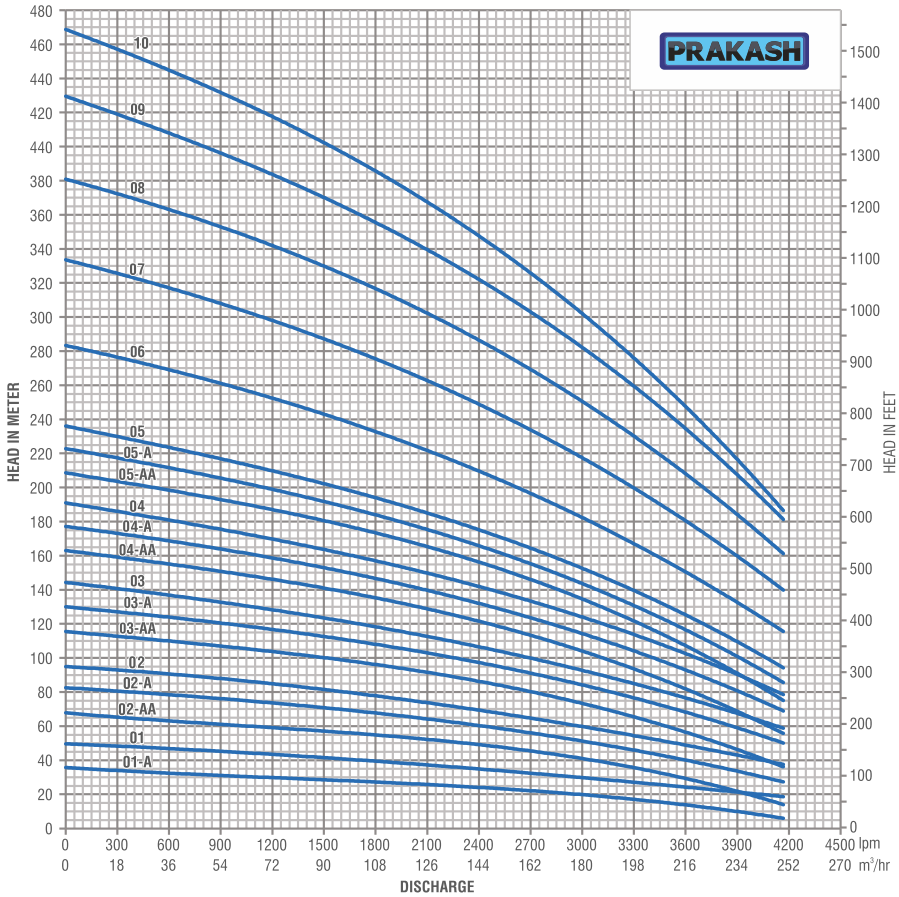
## Hydraulic Pump Performance Chart 60Hz, 3450 RPM

Model	Power		C (mm)	E (mm)	Pump Weight (Kg)	Motor Joining	Q	US GPM	0	88	352	617	881	1101
	kW	HP						M <sup>3</sup> /H	0	20	80	140	200	250
								LPM	0	333	1333	2334	3334	4168
SP-M160A-01-A	15.0	20.0	581	213	25	6"	Head (m)	35	35	29	24	17	6	
SP-M160A-01	22.0	30.0	581	213	25	6"	Head (m)	49	49	43	34	28	18	
SP-M160A-02-AA	26.0	35.0	737	213	31	6"	Head (m)	67	66	58	49	36	14	
SP-M160A-02-A	37.0	50.0	737	213	31	8"	Head (m)	82	81	73	59	47	27	
SP-M160A-02	37.0	50.0	737	213	31	8"	Head (m)	94	94	84	68	56	37	
SP-M160A-03-AA	45.0	60.0	906	213	40	8"	Head (m)	115	113	103	86	66	36	
SP-M160A-03-A	55.0	75.0	906	213	40	8"	Head (m)	129	128	116	96	78	49	
SP-M160A-03	55.0	75.0	906	213	40	8"	Head (m)	143	142	127	105	87	58	
SP-M160A-04-AA	66.0	90.0	1062	213	46	8"	Head (m)	162	160	145	120	95	55	
SP-M160A-04-A	75.0	100.0	1062	213	46	8"	Head (m)	176	174	158	130	106	68	
SP-M160A-04	75.0	100.0	1062	213	46	8"	Head (m)	189	188	168	140	116	77	
SP-M160A-05-AA	93.0	125.0	1218	218	52	8"	Head (m)	207	205	185	155	123	74	
SP-M160A-05-A	93.0	125.0	1218	218	52	8"	Head (m)	221	219	197	164	133	84	
SP-M160A-05	93.0	125.0	1218	218	52	8"	Head (m)	234	232	208	173	142	93	
SP-M160A-06	110.0	150.0	1374	218	58	8"	Head (m)	281	279	250	207	170	114	
SP-M160A-07	135.0	180.0	1530	218	64	10"	Head (m)	331	328	295	246	203	138	
SP-M160A-08	150.0	200.0	1686	218	70	10"	Head (m)	378	375	339	283	234	159	
SP-M160A-09	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



# PRAKASH

Office in India

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PRAKASHPUMPEST

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