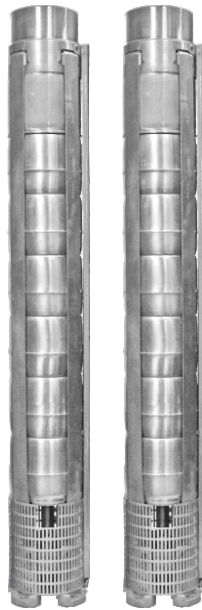




Quality, Reliability, Life

8" Submersible Stainless Steel Pump 60 Hz



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 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)

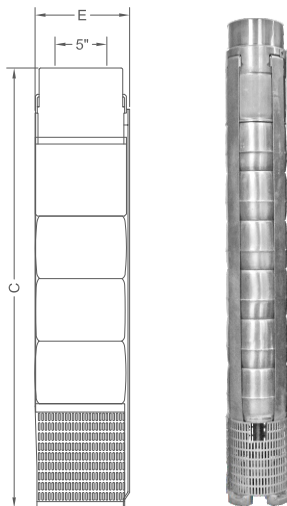
- Bowl :Stainless steel 304
- Impeller : Stainless steel 304
- NRV (discharge) : Stainless steel 304
- Shaft : Stainless steel 431
- Coupling : Stainless steel 304
- Stainer : Stainless steel 304

Mixed flow SP-M77A

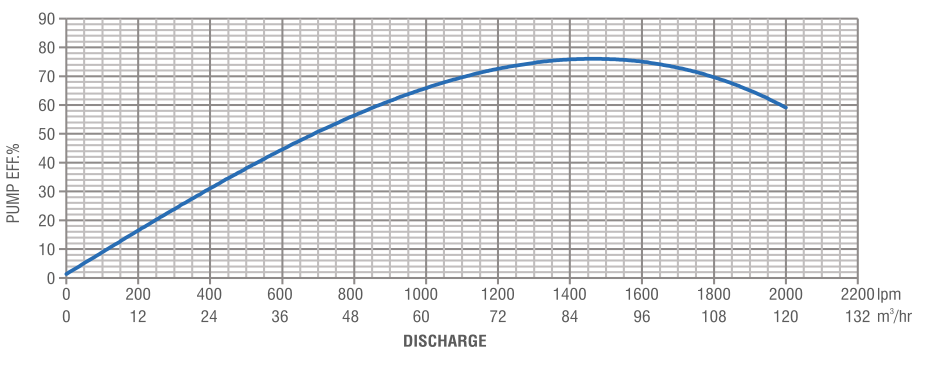
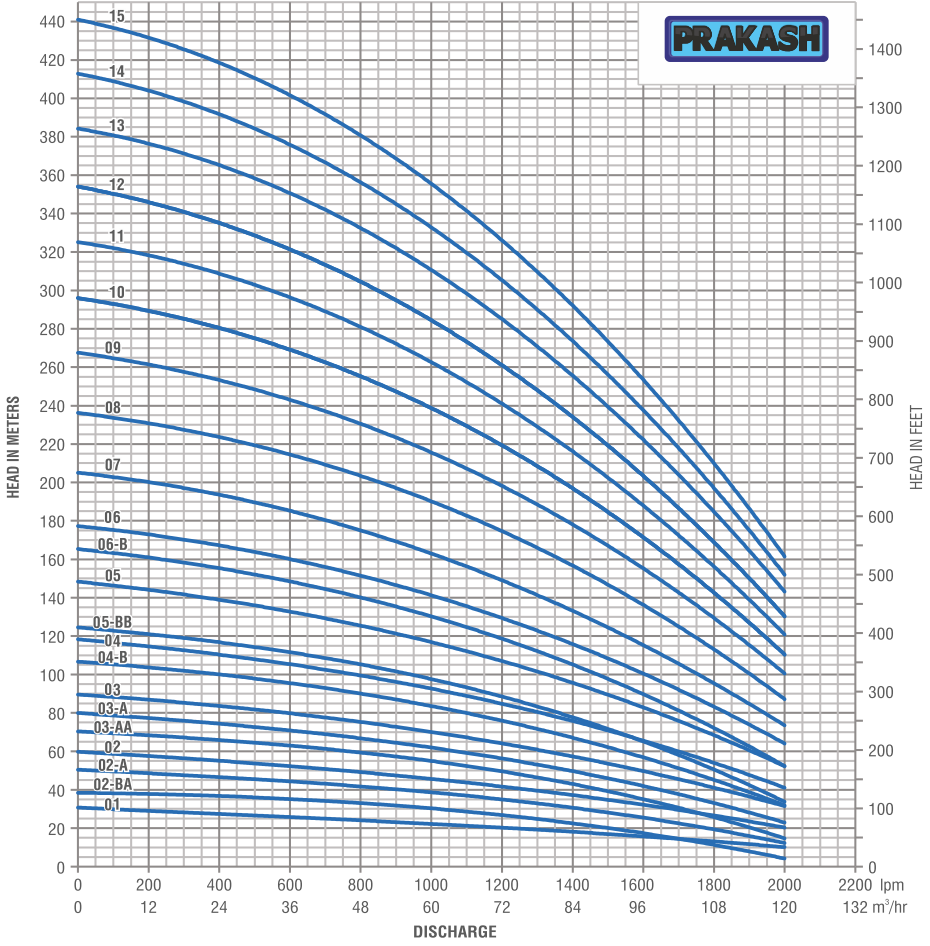
Hydraulic Pump Performance Chart 60Hz, 3450 RPM

Model	Power		C (mm)	E (mm)	Pump Weight (Kg)	Motor Joining	Q	US GPM	0	44	88	220	308	396	440	528
	KW	HP						M ³ /H	0	10	20	50	70	90	100	120
								LPM	0	167	333	833	1167	1500	1667	2000
SP-M77A-01	5.5	7.5	578	178	19	6"	Head (m)	30	30	29	23	20	17	16	10	
SP-M77A-02-BA	7.5	10	706	178	23	6"	Head (m)	38	38	38	32	27	20	16	4	
SP-M77A-02-A	9.3	13	706	178	23	6"	Head (m)	50	49	48	41	35	28	24	12	
SP-M77A-02	11.0	15	706	178	23	6"	Head (m)	59	58	57	48	41	35	31	20	
SP-M77A-03-AA	13.0	18	834	178	27	6"	Head (m)	70	69	68	58	50	40	33	14	
SP-M77A-03-A	15.0	20	834	178	27	6"	Head (m)	79	78	77	65	56	47	40	22	
SP-M77A-03	18.5	25	834	178	27	6"	Head (m)	88	88	86	73	64	55	48	31	
SP-M77A-04-B	18.5	25	962	178	30	6"	Head (m)	105	105	103	88	76	63	54	31	
SP-M77A-04	22.0	30	962	178	30	6"	Head (m)	117	116	114	97	84	72	64	40	
SP-M77A-05-BB	22.0	30	1090	178	34	6"	Head (m)	123	122	120	103	88	73	62	33	
SP-M77A-05	26.0	35	1090	178	34	6"	Head (m)	146	146	144	122	106	91	80	51	
SP-M77A-06-B	30.0	40	1218	178	38	8"	Head (m)	163	163	160	137	118	99	87	51	
SP-M77A-06	37.0	50	1218	178	38	8"	Head (m)	175	175	173	148	129	110	98	63	
SP-M77A-07	45.0	60	1346	178	42	8"	Head (m)	202	202	200	170	148	127	112	72	
SP-M77A-08	45.0	60	1474	178	49	8"	Head (m)	234	234	230	198	174	148	133	85	
SP-M77A-09	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

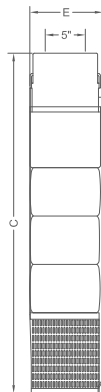


Mixed flow SP-M95A

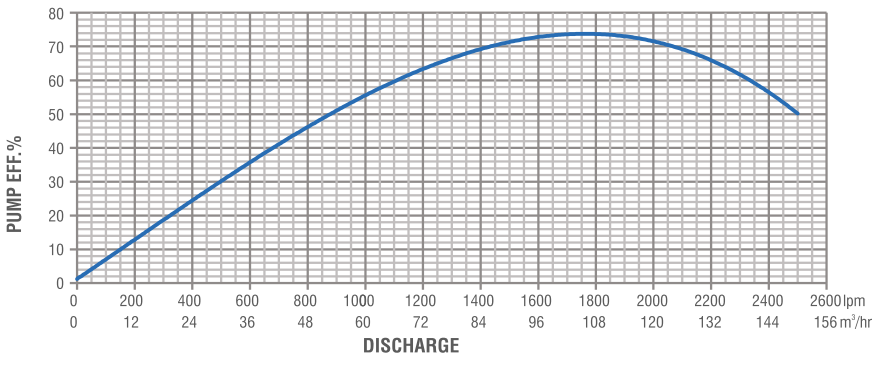
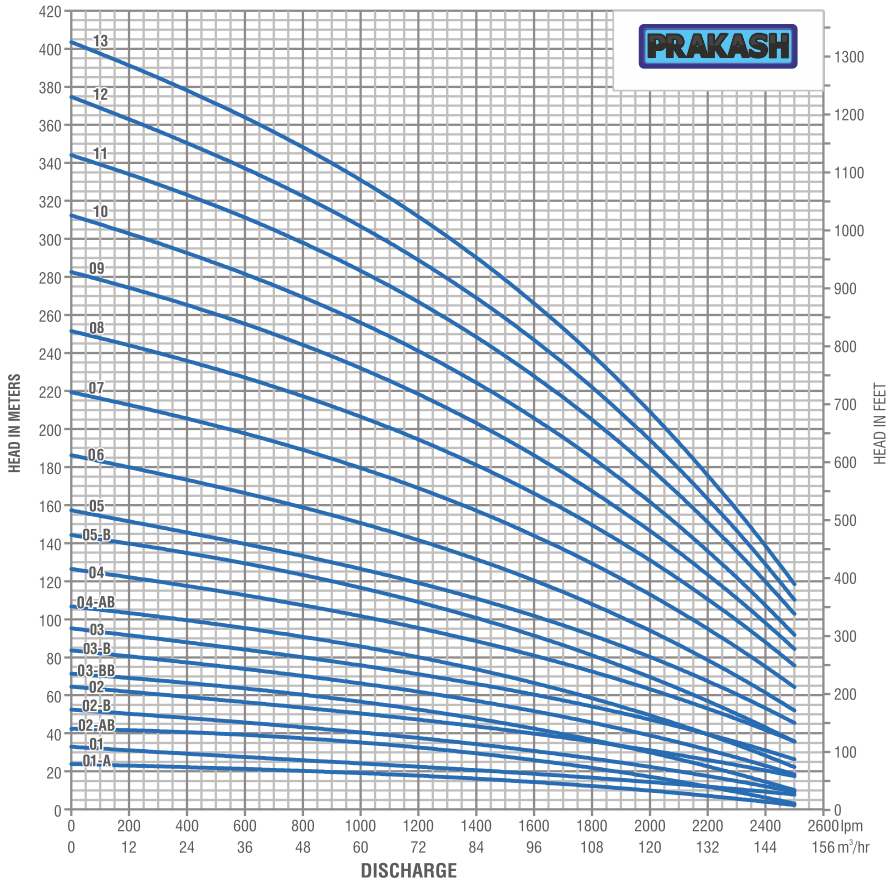
Hydraulic Pump Performance Chart 60Hz, 3450 RPM

Model	Power		C (mm)	E (mm)	Pump Weight (Kg)	Motor Joining	Q	US GPM	0	44	88	352	440	528	660
	KW	HP						M ³ /H	0	10	20	80	100	120	150
								LPM	0	167	333	1333	1667	2000	2500
SP-M95A-01-A	5.5	7.5	578	178	18	6"	Head (m)	23	23	23	16	14	10	10	2
SP-M95A-01	7.5	10.0	578	178	18	6"	Head (m)	33	31	30	20	18	15	15	8
SP-M95A-02-AB	9.3	12.5	706	178	22	6"	Head (m)	42	42	41	30	25	17	17	3
SP-M95A-02-B	11.0	15.0	706	178	22	6"	Head (m)	52	51	49	35	30	23	23	9
SP-M95A-02	15.0	20.0	706	178	22	6"	Head (m)	64	63	61	43	39	32	32	17
SP-M95A-03-BB	15.0	20.0	834	178	26	6"	Head (m)	71	70	68	48	41	30	30	10
SP-M95A-03-B	18.5	25.0	834	178	26	6"	Head (m)	83	81	79	57	50	40	40	18
SP-M95A-03	22.0	30.0	834	178	26	6"	Head (m)	94	93	90	66	59	48	48	26
SP-M95A-04-AB	22.0	30.0	962	178	30	6"	Head (m)	106	104	102	74	65	50	50	22
SP-M95A-04	30.0	40.0	962	178	30	8"	Head (m)	125	123	121	88	79	65	65	35
SP-M95A-05-AB	30.0	40.0	1090	178	34	8"	Head (m)	143	141	138	101	89	71	71	35
SP-M95A-05	37.0	50.0	1090	178	34	8"	Head (m)	155	153	150	110	99	83	83	45
SP-M95A-06	45.0	60.0	1218	178	38	8"	Head (m)	184	182	178	131	117	97	97	51
SP-M95A-07	45.0	60.0	1346	178	48	8"	Head (m)	217	215	211	157	140	116	116	63
SP-M95A-08	55.0	75.0	1474	178	51	8"	Head (m)	248	247	242	180	162	135	135	74
SP-M95A-09	75.0	100.0	1602	178	54	8"	Head (m)	280	277	272	202	182	150	150	83
SP-M95A-10	75.0	100.0	1730	178	57	8"	Head (m)	309	307	300	223	201	166	166	90
SP-M95A-11	75.0	100.0	1858	178	60	8"	Head (m)	340	338	332	247	222	185	185	101
SP-M95A-12	93.0	125.0	1986	178	63	8"	Head (m)	370	367	360	267	241	200	200	108
SP-M95A-13	93.0	125.0	2114	178	66	8"	Head (m)	399	395	388	289	259	215	215	116

Standard Pump outlet 5" NPT



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



PRAKASH

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