



# PRAKASH

Worldwide

Quality, Reliability, Life

## 6" & 8" SUBMERSIBLE PUMP STAINLESS STEEL



# 6" Submersible Pump

## Stainless steel General Data

### Applications

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

### Specifications

- Water temperature : up to 35°C
- Minimum internal diameter of well: 6" Ø150mm.
- Power : 4.0 to 37Kw
- Capacity : up to 78m<sup>3</sup>/h
- Head : up to 446m
- Max. sand quality in to the water : 50g/m<sup>3</sup>
- PH: 6.5 – 8.0

### 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.

### Models

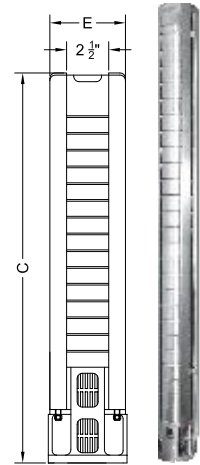
- Radial flow SP-R17A.
- Mixed flow SP-M30A, SP-M46A, SP-M60A



# Radial flow SP-R17A

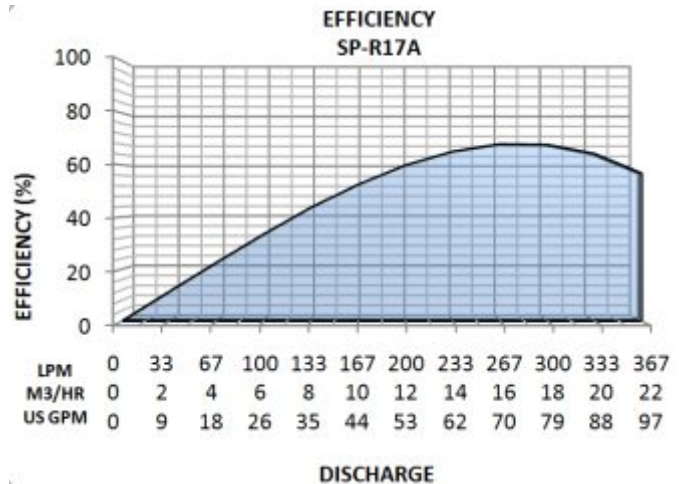
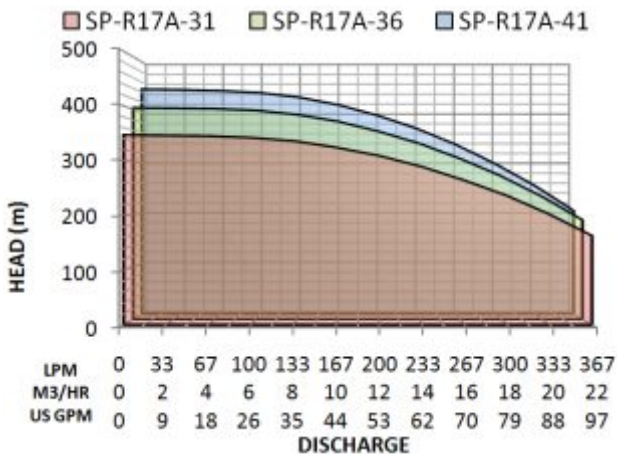
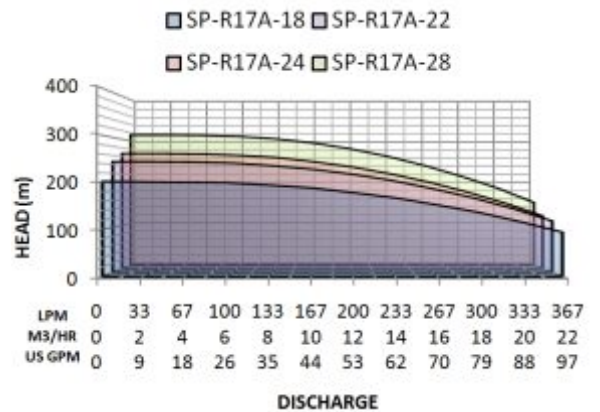
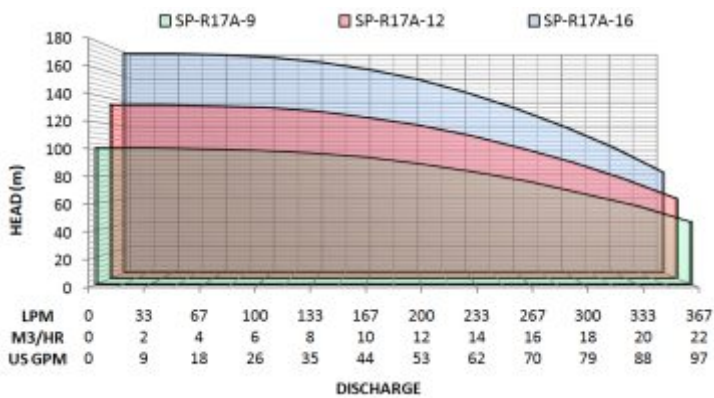
# Hydraulic Pump Performance Chart

Model	Power		C	E	Pump Weight (Kg)	Q	US GPM	0	26	35	44	53	62	70	79	88	97
	KW	HP					M <sup>3</sup> /H	0	6	8	10	12	14	16	18	20	22
							LPM	0	100	133	167	200	233	267	300	333	367
SP-R17A-9	5.5	7.5	819	143	17	H Meters	101	99	97	94	89	83	76	67	58	46	
SP-R17A-12	7.5	10	1000	143	21		135	133	130	125	119	111	101	90	77	62	
SP-R17A-16	9.2	12.5	1242	143	26		179	176	172	166	158	147	134	119	102	82	
SP-R17A-18	11	15	1363	143	28		202	199	194	188	178	167	152	136	116	94	
SP-R17A-22	13	17.5	1605	143	33		246	243	237	229	218	204	186	166	142	114	
SP-R17A-24	13	17.5	1726	143	36		267	263	258	248	236	220	201	178	152	122	
SP-R17A-28	18.5	25	1968	143	41		315	311	305	295	281	263	241	215	186	151	
SP-R17A-31	18.5	25	2150	143	44		347	342	336	324	309	289	264	236	202	163	
SP-R17A-36	22	30	2452	143	50		403	398	390	377	358	335	306	273	234	189	
SP-R17A-41	22	30	2735	143	56		446	439	430	415	394	368	336	298	255	205	



Submersible Motor Type SM150, Pump Outlet 2 1/2"

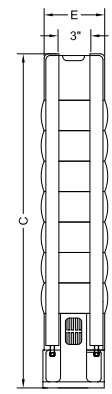
## Hydraulic Performance Curve



# Mixed flow SP-M30A

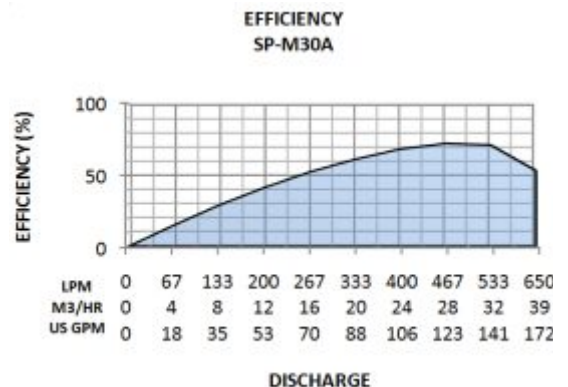
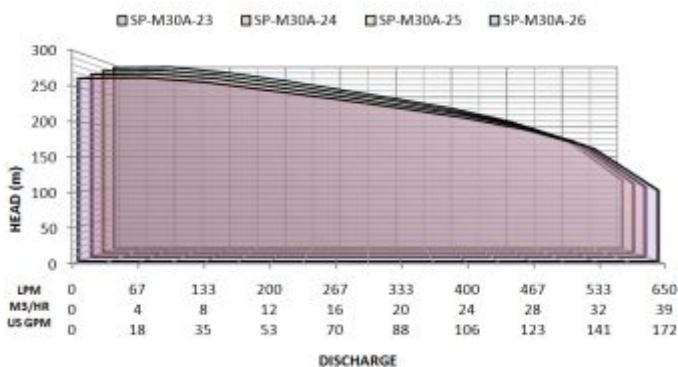
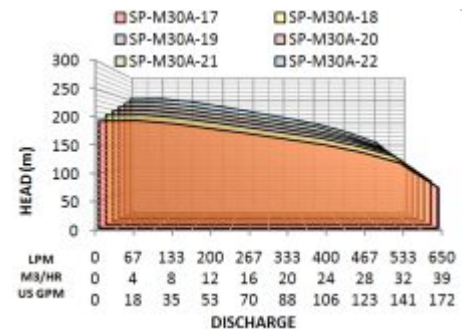
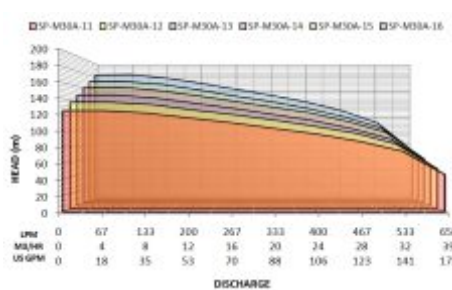
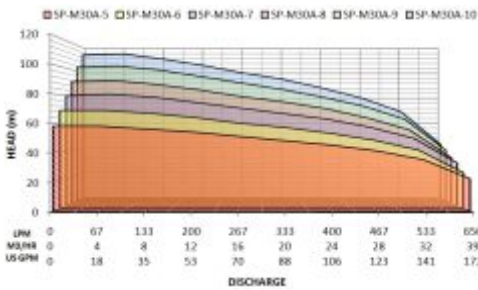
# Hydraulic Pump Performance Chart

Model	Power		C	E	Pump Weight (Kg)	Q	H Meters												
	KW	HP					US GPM	0	53	70	88	106	123	141	172				
							M <sup>3</sup> /H	0	12	16	20	24	28	32	39				
							LPM	0	200	267	333	400	467	533	650				
SP-M30A-5	5.5	7.5	754	143	16			58	54	51	48	45	41	35	22				
SP-M30A-6	5.5	7.5	850	143	18			69	64	60	57	53	48	41	25				
SP-M30A-7	7.5	10.0	946	143	20			80	75	71	67	63	57	49	31				
SP-M30A-8	7.5	10.0	1042	143	22			91	85	80	76	71	64	55	34				
SP-M30A-9	9.3	12.5	1138	143	24			103	96	91	86	80	73	63	39				
SP-M30A-10	9.3	12.5	1234	143	25			114	106	100	95	88	80	69	43				
SP-M30A-11	9.3	12.5	1330	143	27			125	116	110	103	96	87	75	46				
SP-M30A-12	11	15.0	1426	143	29			137	127	121	114	106	97	83	51				
SP-M30A-13	11	15.0	1522	143	31			148	137	130	122	114	103	89	55				
SP-M30A-14	13	17.5	1618	143	33			160	149	141	133	125	113	98	61				
SP-M30A-15	13	17.5	1714	143	35			171	159	150	142	132	120	104	64				
SP-M30A-16	15	20.0	1810	143	37			183	171	162	153	143	130	112	70				
SP-M30A-17	15	20.0	1906	143	39			194	180	171	161	151	137	118	74				
SP-M30A-18	18.5	25.0	2002	143	41			207	193	183	173	163	148	129	82				
SP-M30A-19	18.5	25.0	2098	143	42			218	203	193	182	171	156	135	85				
SP-M30A-20	18.5	25.0	2194	143	44			229	213	202	191	179	163	141	89				
SP-M30A-21	18.5	25.0	2290	143	46			240	223	212	200	189	170	147	92				
SP-M30A-22	22	30.0	2386	143	48			252	235	223	211	198	180	156	99				
SP-M30A-23	22	30.0	2482	143	50			263	245	233	220	206	188	162	102				
SP-M30A-24	22	30.0	2578	143	52			274	255	242	228	214	195	168	105				
SP-M30A-25	22	30.0	2674	143	54			285	265	251	237	221	201	174	108				
SP-M30A-26	22	30.0	2770	143	56			296	275	260	245	229	208	179	111				



Submersible Motor Type SM150, Pump Outlet 3"

## Hydraulic Performance Curve

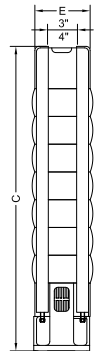




# Mixed flow SP-M46A

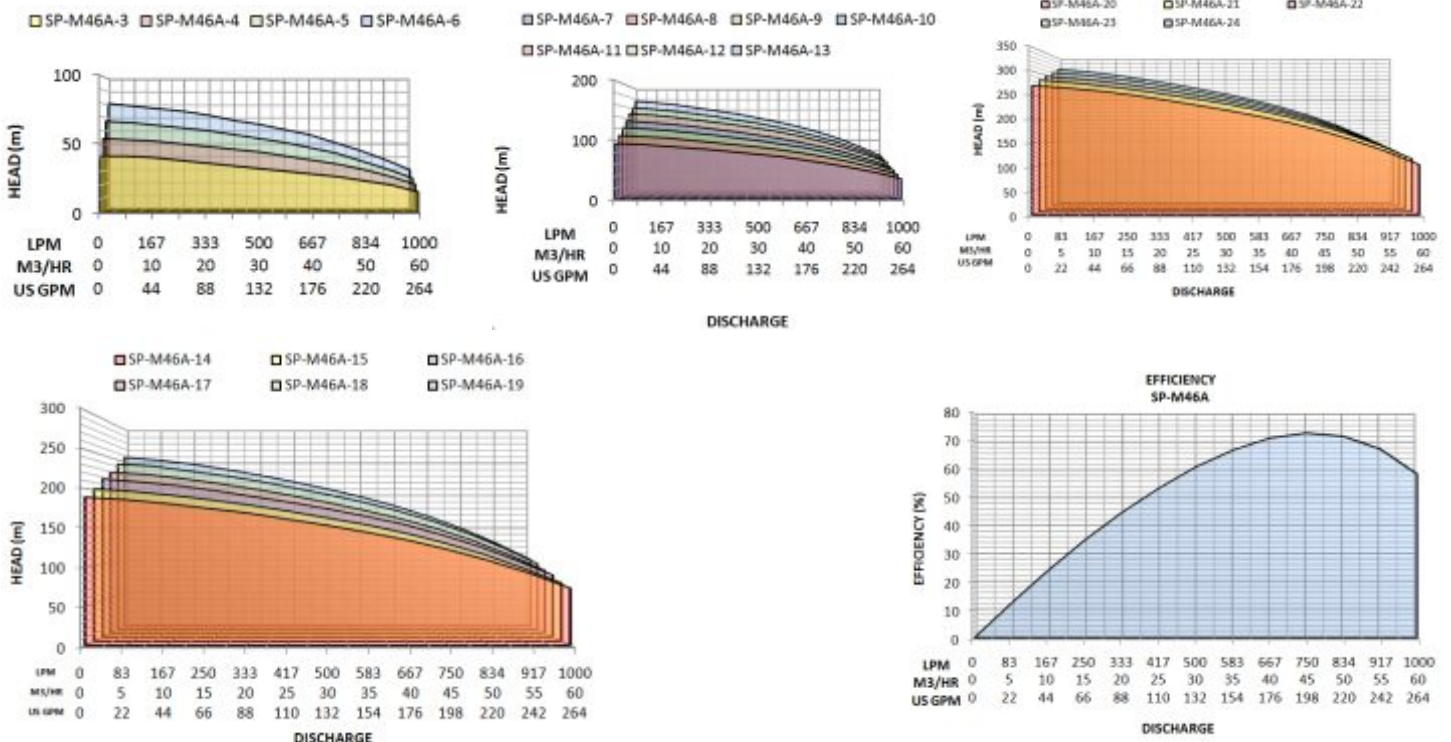
# Hydraulic Pump Performance Chart

Model	Power		C	E	Pump Weight (Kg)	Q	H Meters																																																																																																																																																																																																																																																	
	KW	HP					US GPM																																																																																																																																																																																																																																																	
							0	66	88	110	132	154	176	198	220	242	264	0	15	20	25	30	35	40	45	50	55	60	0	250	333	417	500	583	667	750	834	917	1000																																																																																																																																																																																																																	
SP-M46A-3	5.5	7.5	616	150	11	H Meters	41	38	36	34	32	30	28	26	23	20	15	54	50	48	46	44	41	38	35	31	26	20	67	62	60	57	54	51	47	43	37	31	24	81	75	72	68	65	61	57	51	45	38	30	94	87	84	80	76	72	66	60	53	45	35	108	100	96	92	88	83	77	70	62	52	41	122	113	109	104	99	93	87	79	70	59	47	135	125	120	115	109	103	95	87	77	65	51	149	138	133	128	122	115	107	97	86	73	59	162	150	145	138	132	124	115	105	93	79	63	176	163	157	151	143	135	126	115	102	86	69	189	175	169	161	153	144	134	122	108	92	73	202	187	180	172	163	154	143	130	115	97	77	217	201	193	185	176	166	155	141	125	106	85	229	213	205	196	186	175	163	149	132	112	89	244	227	219	209	199	188	175	160	142	121	97	257	239	230	220	209	197	183	167	148	126	101	270	251	241	230	219	206	192	175	155	132	105	285	265	255	245	234	221	206	188	167	143	115	298	277	267	256	244	230	215	196	174	148	119	311	289	278	267	254	240	223	204	181	154	124	324	300	289	277	264	249	232	212	188	160	128



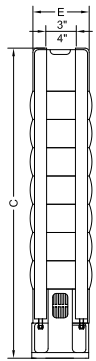
Submersible Motor Type SM150, Pump Outlet 3" and 4"

## Hydraulic Performance Curve



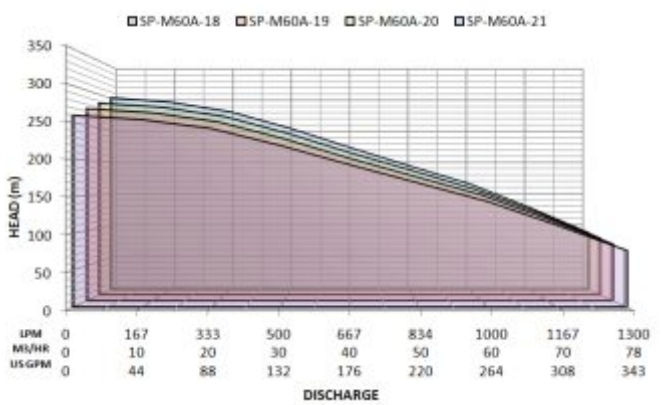
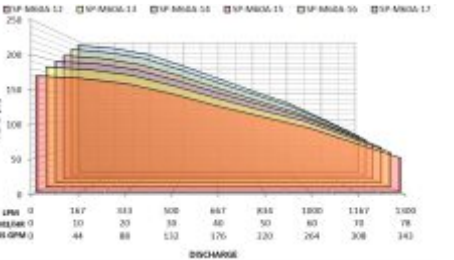
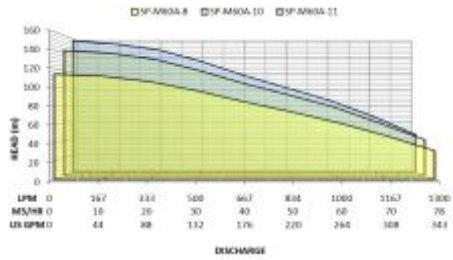
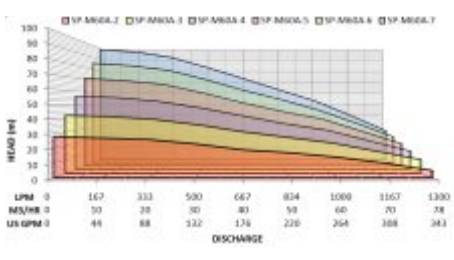
# Mixed flow SP-M60A Hydraulic Pump Performance Chart

Model	Power		C	E	Pump Weight (Kg)	Q	H Meters								
	KW	HP					US GPM	0	88	132	176	220	264	308	343
							M <sup>3</sup> /H	0	20	30	40	50	60	70	78
LPM	0	333	500	667	834	1000	1167	1300							
SP-M60A-2	4	5.5	503	150	9	28	26	23	19	17	14	10	5		
SP-M60A-3	5.5	7.5	616	150	11	42	39	35	30	26	22	16	10		
SP-M60A-4	7.5	10.0	729	150	13	56	52	47	41	35	30	22	14		
SP-M60A-5	9.3	12.5	842	150	15	71	66	59	51	44	38	28	18		
SP-M60A-6	11	15.0	955	150	17	85	79	71	62	54	45	34	22		
SP-M60A-7	13	17.5	1068	150	20	99	92	83	73	63	53	40	26		
SP-M60A-8	15	20.0	1181	150	22	114	106	96	84	73	61	47	31		
SP-M60A-10	18.5	25.0	1407	150	26	143	133	120	105	92	78	60	41		
SP-M60A-11	22	30.0	1520	150	29	158	147	133	116	101	86	67	45		
SP-M60A-12	22	30.0	1633	150	31	171	159	144	126	110	94	72	50		
SP-M60A-13	26	35.0	1746	150	33	187	174	157	138	120	103	79	54		
SP-M60A-14	26	35.0	1859	150	35	200	186	168	148	129	110	85	58		
SP-M60A-15	26	35.0	1972	150	38	214	198	179	157	136	116	89	60		
SP-M60A-16	30	40.0	2085	150	40	230	213	192	169	147	125	96	65		
SP-M60A-17	30	40.0	2198	150	42	243	225	203	179	155	132	101	69		
SP-M60A-18	37	50.0	2339	150	44	260	242	219	193	168	143	111	77		
SP-M60A-19	37	50.0	2452	150	47	274	255	231	203	177	151	117	81		
SP-M60A-20	37	50.0	2565	150	49	287	267	242	213	186	158	123	85		
SP-M60A-21	37	50.0	2678	150	51	301	279	253	223	194	166	129	89		



Submersible Motor Type SM150, Pump Outlet 3" & 4"

## Hydraulic Performance Curve



# 8" Submersible Pump Stainless Steel

## 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

## Specifications

- Water temperature : up to 35°C
- Minimum internal diameter of well: 8" Ø200mm.
- Power : 5.5 to 93Kw
- Capacity : up to 122m<sup>3</sup> /h
- Head : up to 423m
- Max. sand quality in to the water : 50g/m<sup>3</sup>
- PH: 6.5 – 8.0

## 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.

## Models

- Mixed flow SP-M77A, SP-M95A

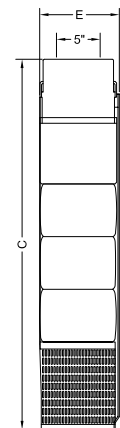




# Mixed flow SP-M77A

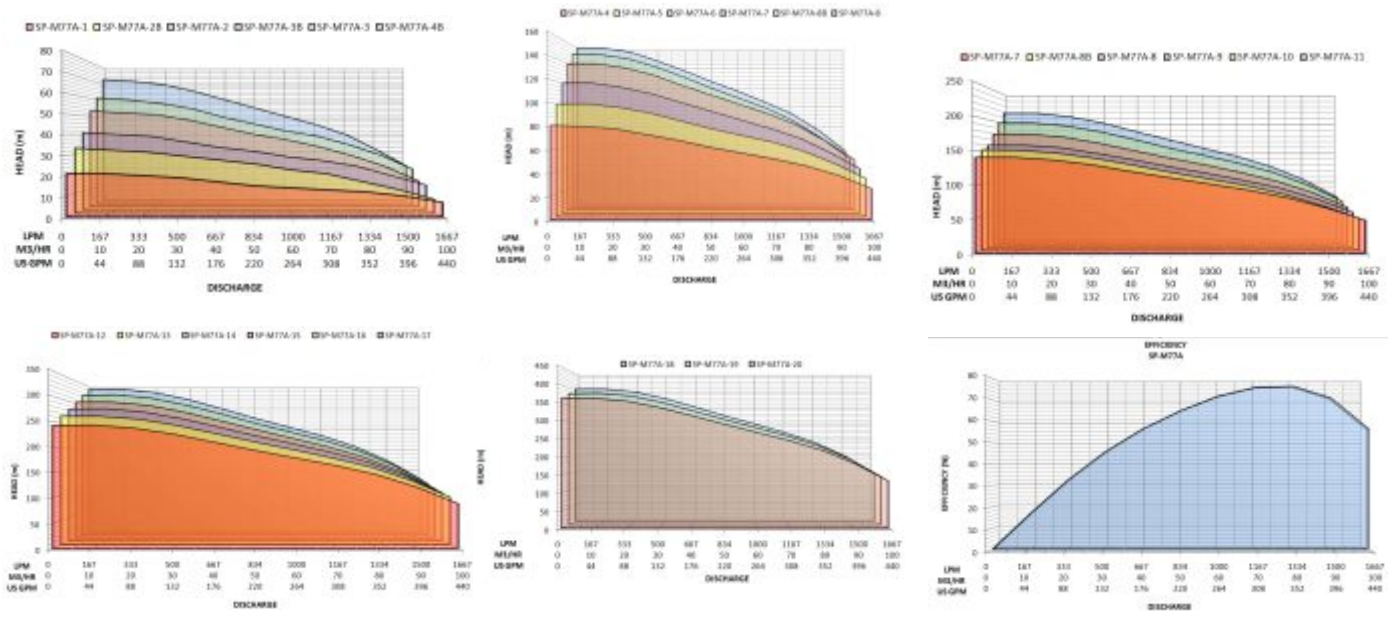
# Hydraulic Pump Performance Chart

Model	Power		C	E	Pump Weight (Kg)	Q											
	KW	HP				US GPM	0	44	88	132	176	220	264	308	352	396	440
						M3/H	0	10	20	30	40	50	60	70	80	90	100
						LPM	0	167	333	500	667	834	1000	1167	1334	1500	1667
SP-M77A-1	5.5	7.5	619	178	21		21	21	20	19	17	15	14	13	12	10	7
SP-M77A-2B	5.5	7.5	747	178	24		33	32	31	29	27	25	22	20	16	12	7
SP-M77A-2	7.5	10.0	747	178	24		41	40	39	36	33	31	28	26	23	18	13
SP-M77A-3B	9.3	12.5	875	178	28		53	52	51	48	44	40	37	33	28	22	14
SP-M77A-3	11	15.0	875	178	28		61	60	58	55	50	46	42	39	34	28	20
SP-M77A-4B	13	17.5	1003	178	31		73	72	70	66	61	56	51	46	40	31	21
SP-M77A-4	15	20.0	1003	178	31		81	80	78	73	68	62	57	52	46	38	27
SP-M77A-5	18.5	25.0	1131	178	35		100	100	97	92	85	78	72	66	58	47	34
SP-M77A-6	22	30.0	1259	178	38		120	120	116	110	102	94	86	78	69	56	41
SP-M77A-7	26	35.0	1387	178	42		140	140	136	129	119	110	101	92	81	66	48
SP-M77A-8B	26	35.0	1515	178	46		152	151	147	139	129	118	108	98	85	68	48
SP-M77A-8	30	40.0	1515	178	46		160	160	156	147	137	126	116	105	93	76	55
SP-M77A-9	30	40.0	1643	178	49		179	179	174	164	152	140	129	117	103	85	61
SP-M77A-10	37	50.0	1785	178	53		199	199	194	184	171	157	145	132	117	96	69
SP-M77A-11	37	50.0	1913	178	57		218	218	212	201	186	172	158	144	127	104	74
SP-M77A-12	45	60.0	2041	200	60		242	243	237	225	209	193	178	163	145	120	88
SP-M77A-13	55	75.0	2169	200	64		264	264	258	245	228	211	195	178	159	132	98
SP-M77A-14	55	75.0	2297	200	68		283	284	277	263	245	226	209	191	170	141	104
SP-M77A-15	55	75.0	2425	200	71		303	303	296	281	262	242	223	204	181	150	110
SP-M77A-16	63	85.0	2553	200	75		324	325	317	301	281	259	239	219	195	162	119
SP-M77A-17	63	85.0	2681	200	78		343	344	336	319	297	274	253	232	206	171	126
SP-M77A-18	63	85.0	2809	200	82		363	363	355	337	314	290	267	244	217	180	132
SP-M77A-19	75	100.0	2937	200	85		383	384	376	357	332	307	283	259	230	191	140
SP-M77A-20	75	100.0	3065	200	89		404	404	395	375	349	322	297	271	241	200	146



Submersible Motor Type SP-M77A-1 to SP-M77A-11 for SM150, SP-M77A-12 to SP-M77A-20 for SM200, Pump Outlet 5"

## Hydraulic Performance Curve

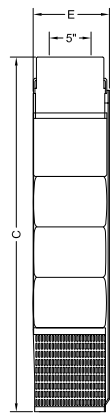




# Mixed flow SP-M95A

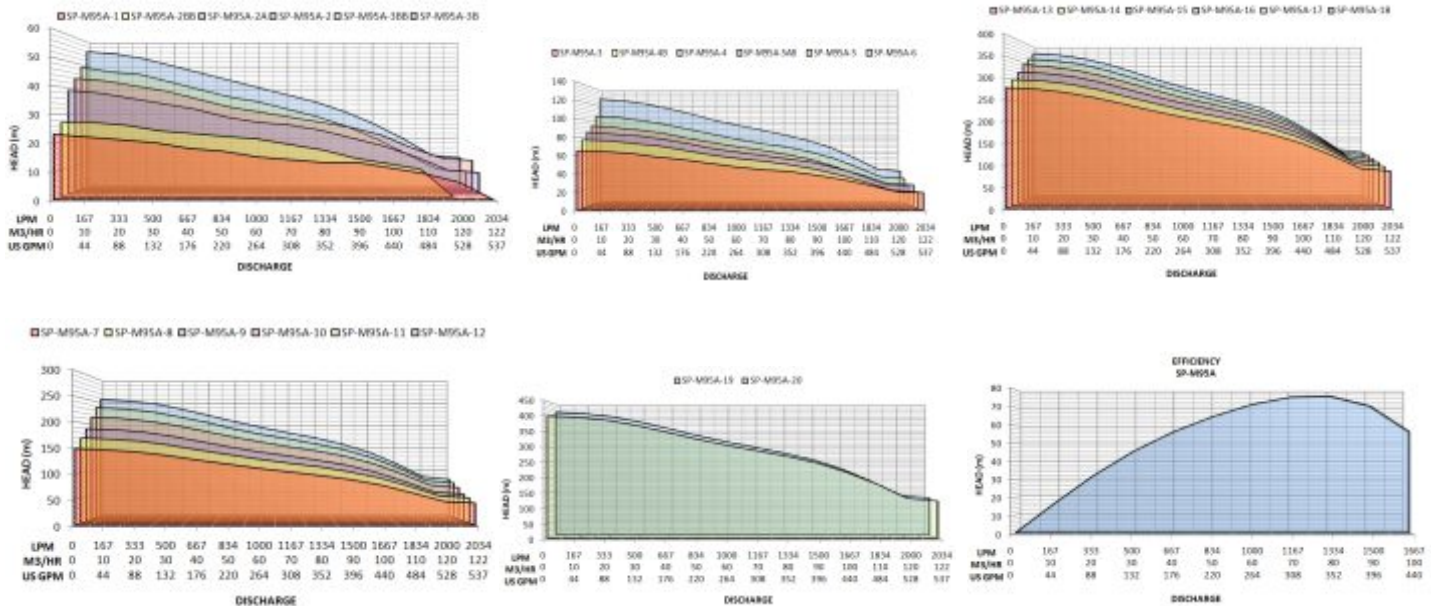
# Hydraulic Pump Performance Chart

Model	Power		C	E	Pump Weight (Kg)	Q	H Meters															
	KW	HP					US GPM															
							0	132	176	220	264	308	352	396	440	484	528	537				
							M <sup>3</sup> /H															
							LPM															
SP-M95A-1	5.5	7.5	619	178	21		23	20	18	17	15	14	13	13	11	9	6	0				
SP-M95A-2BB	5.5	7.5	747	178	24		27	24	23	22	21	19	17	14	12	10	0	0				
SP-M95A-2A	7.5	10.0	747	178	24		39	34	32	29	27	26	24	21	18	14	9	8				
SP-M95A-2	9.3	12.5	747	178	24		44	39	36	33	31	29	27	25	22	17	13	12				
SP-M95A-3BB	9.3	12.5	875	178	28		49	43	40	37	35	32	29	25	20	14	8	7				
SP-M95A-3B	11	15.0	875	178	28		56	50	47	44	41	38	35	31	26	20	13	12				
SP-M95A-3	13	17.5	875	178	28		65	58	55	51	47	44	42	38	33	27	20	19				
SP-M95A-4B	15	20.0	1003	178	31		77	70	65	60	56	53	49	44	37	29	20	18				
SP-M95A-4	18.5	25.0	1003	178	31		86	78	73	67	63	59	55	51	44	36	26	25				
SP-M95A-5AB	18.5	25.0	1131	178	35		94	85	79	74	69	65	60	54	45	35	24	22				
SP-M95A-5	22	30.0	1131	178	35		106	96	90	84	78	73	69	63	55	44	32	30				
SP-M95A-6	26	35.0	1259	178	38		129	117	110	102	96	90	84	77	68	55	41	38				
SP-M95A-7	30	40.0	1387	178	42		148	135	126	118	110	103	96	88	77	62	46	43				
SP-M95A-8	37	50.0	1529	178	46		170	155	145	136	127	119	112	102	90	73	54	50				
SP-M95A-9	37	50.0	1657	178	49		189	173	162	151	141	133	124	114	99	80	59	55				
SP-M95A-10	45	60.0	1785	196	53		214	197	185	173	162	152	143	132	116	95	71	66				
SP-M95A-11	55	75.0	1913	196	56		237	217	205	191	179	169	158	146	129	106	79	74				
SP-M95A-12	55	75.0	2041	196	60		257	236	222	208	195	183	172	158	140	115	86	80				
SP-M95A-13	55	75.0	2169	196	63		278	255	240	224	210	198	185	170	150	123	92	86				
SP-M95A-14	63	85.0	2297	196	67		300	276	259	243	227	214	201	185	163	134	100	93				
SP-M95A-15	75	100.0	2425	196	71		321	296	278	260	244	230	215	198	175	144	107	100				
SP-M95A-16	75	100.0	2553	196	74		344	314	296	277	259	244	229	211	186	152	114	106				
SP-M95A-17	75	100.0	2681	196	78		362	333	313	293	275	258	242	223	196	160	120	112				
SP-M95A-18	93	125.0	2809	196	81		382	352	331	309	290	272	255	235	206	169	125	117				
SP-M95A-19	93	125.0	2937	196	85		402	370	348	325	305	287	269	247	216	177	131	122				
SP-M95A-20	93	125.0	3065	196	88		423	388	365	341	320	301	281	258	226	184	137	128				



Submersible Motor Type SP-M95A-1 to SP-M95A-9 for SM150, SPM95A-10 to SP-M95A-20 for SM200, Pump Outlet 5

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