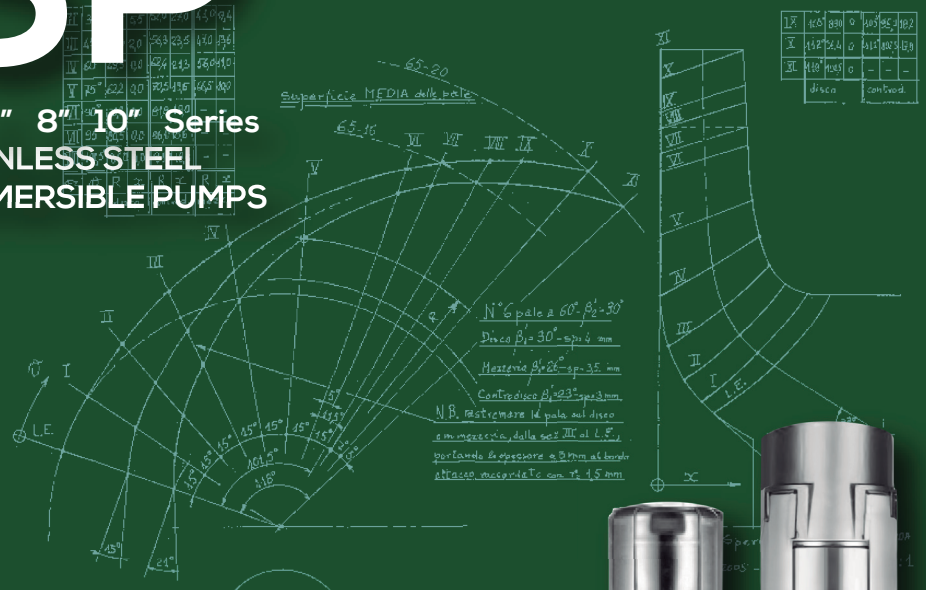
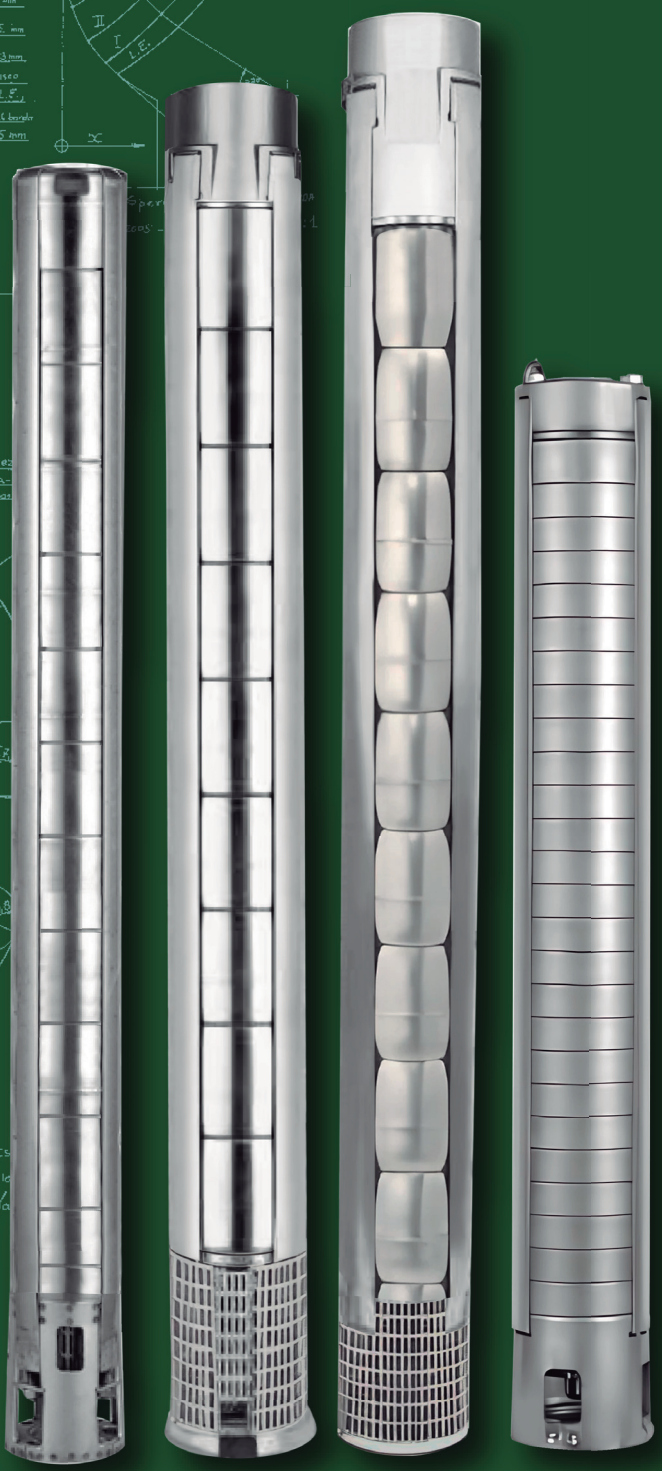
SP

4" 6" 8" 10" Series
STAINLESS STEEL
SUBMERSIBLE PUMPS

SPERONI®
WATER PUMPS







SPERONI®
WATER PUMPS

NSF
NSF 61

CE

60 Hz

SPERONI®

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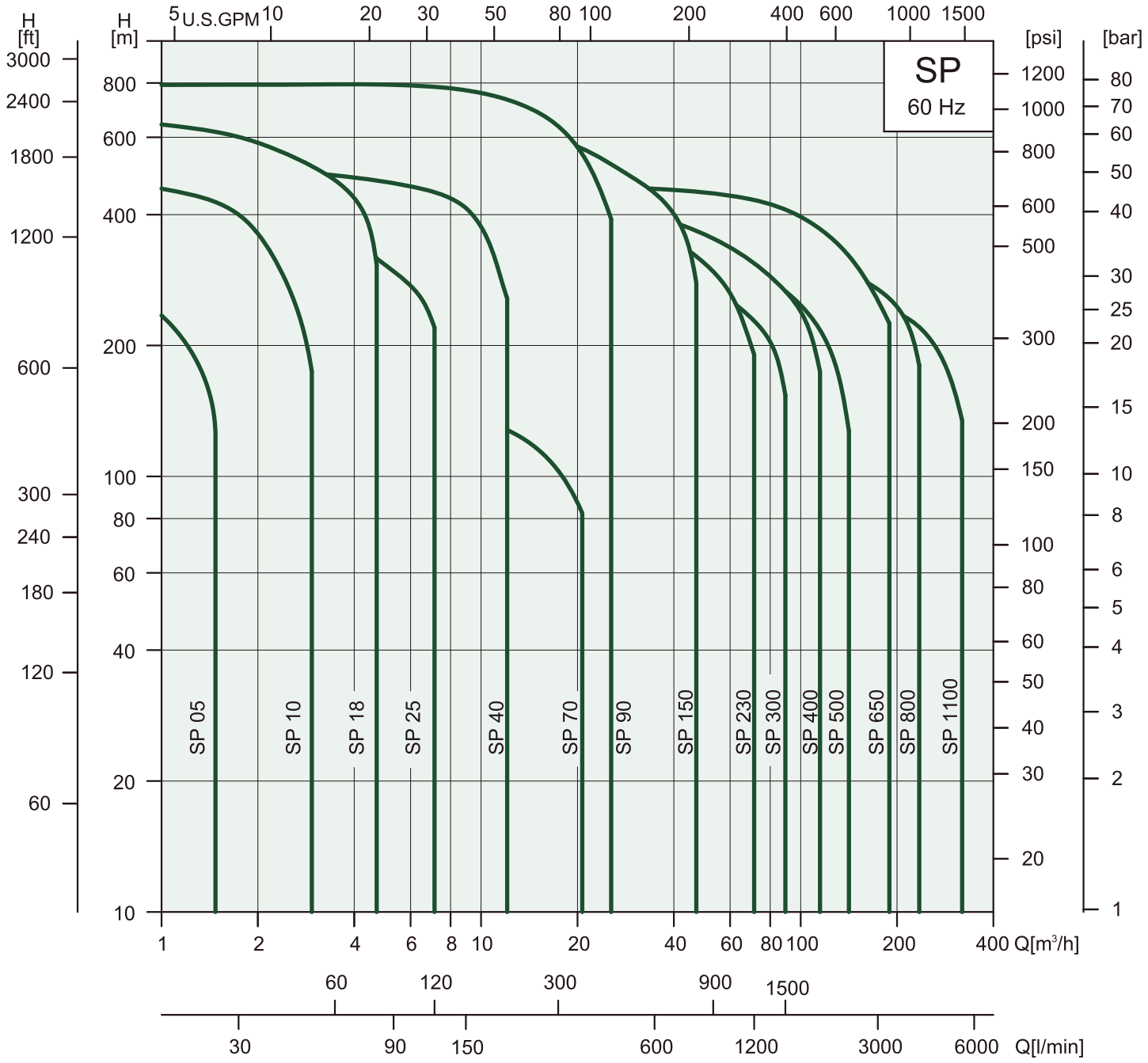


SP SERIES

60 HZ

SP 4”, 6”, 8” 10”

PERFORMANCE RANGE



SP 4"

GENERAL DATA



MODEL CODE

SP 05 - 18

- 18 — Total number of impeller
- 05 — Rated Flow (GPM)
- SP — Model

DESCRIPTION

SP4" submersible pumps are made of corrosion and abrasion resistant stainless steel and have been developed in accordance with state-of-the-art technology.

The SP series of pumps are manufactured to the highest standards for energy efficiency, dependable performance, rugged construction and long service life for the most demanding applications.

APPLICATIONS

-Portable water supply
-Agricultural irrigation and livestock watering
-Municipal and industrial water supply
-Pressure boosting
-Mining applications
-Groundwater lowering
-Fountain

PUMPED LIQUIDS

Clean, thin, non-aggressive and non-corrosive liquids without solid particles or fibers.

OPERATION CONDITIONS

-Capacity (m^3/h) min 0.3 max 21
-Total Head: Max. 687 m
-Max. Liquids temperature: 90° C
-Sand content: Max. 50 g/m^3
-Motor speed: 3450 rpm

FEATURES

-Stainless steel construction designed and built for years of trouble free operation.

-Designed and built to operate in difficult conditions.

-All metal parts are made of 304 or 316 stainless steel.

-Heavy duty stainless steel discharge head with built-in check valve for preventing back flow in connection with pump stoppage and the risk of destructive water hammer is reduced to a minimum.

-Smooth safety hook.

-NEMA standard of bracket mounting.

-High quality shaft bearing provide low friction and high wear resistance.

-The stop ring prevents damage to the pump during transport and in case of up-thrust in connection with start-up.

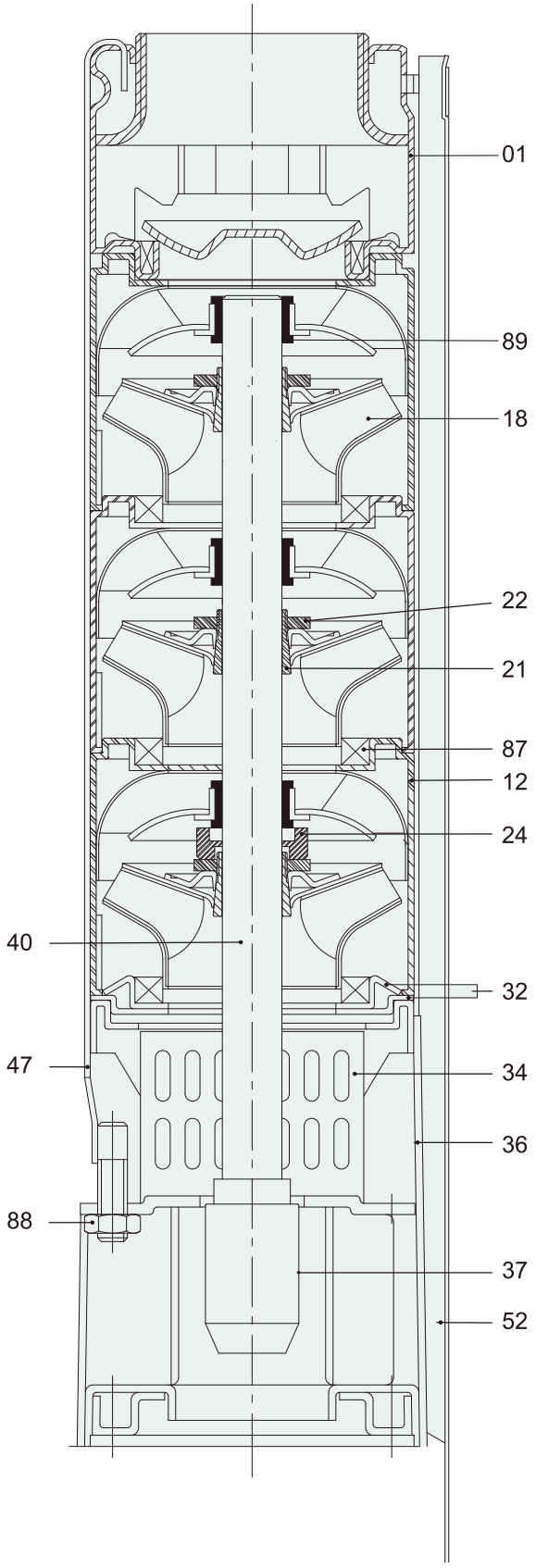
-The stop ring, which is designed as a trust bearing, limits axial movements of the pump shaft.

-Stainless steel strainer to restrict the entry of sand and other extraneous material.

SP 4"

GENERAL DATA

MATERIALS



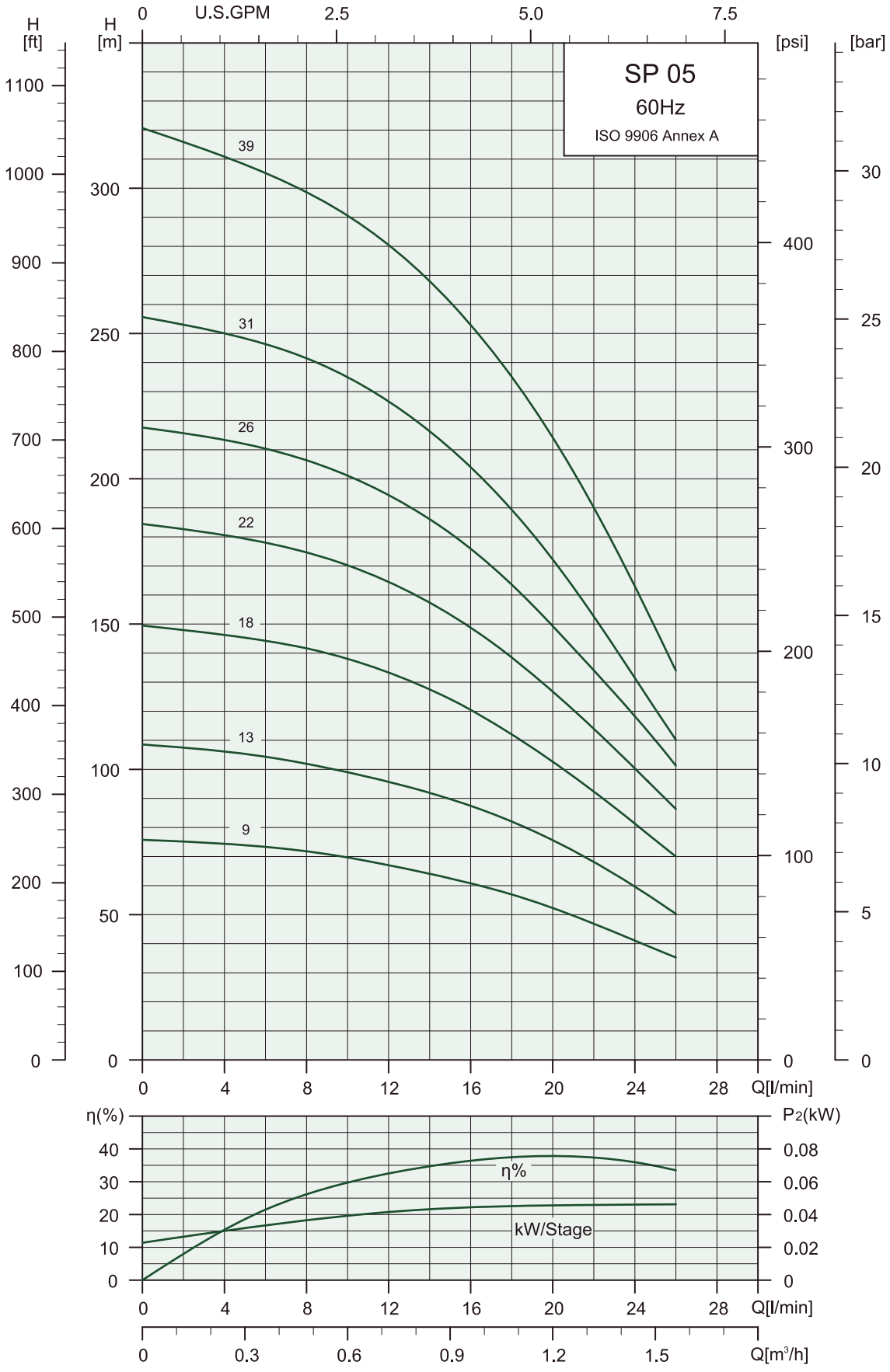
POS.	PART NAME	MATERIALS
01	Discharge	AISI304 / AISI316
12	Diffuser	AISI304 / AISI316
18	Impeller	AISI304 / AISI316
21	Split Cone	AISI304 / AISI316
22	Split Cone Nut	AISI304 / AISI316
24	Stop Ring	Carbon+Graphite+PTFE
32	Neck Ring Retainer	AISI304 / AISI316
34	Strainer	AISI304 / AISI316
36	Suction Interconnector	AISI304 / AISI316
37	Coupling	AISI304 / AISI316
40	Pump shaft	AISI304 / AISI431 / AISI316
47	Strap	AISI304 / AISI316
52	Cable guard	AISI304 / AISI316
87	Neck Ring	AISI304+NBR / AISI316+HNBR
88	Nut	AISI304 / AISI316
89	Bearing	NBR / HNBR

AISI 316 stainless steel pumps are available on request.

SP 4"

TECHNICAL DATA

PERFORMANCE CURVES



SP 4"

60 HZ

TECHNICAL DATA

SPECIFICATIONS

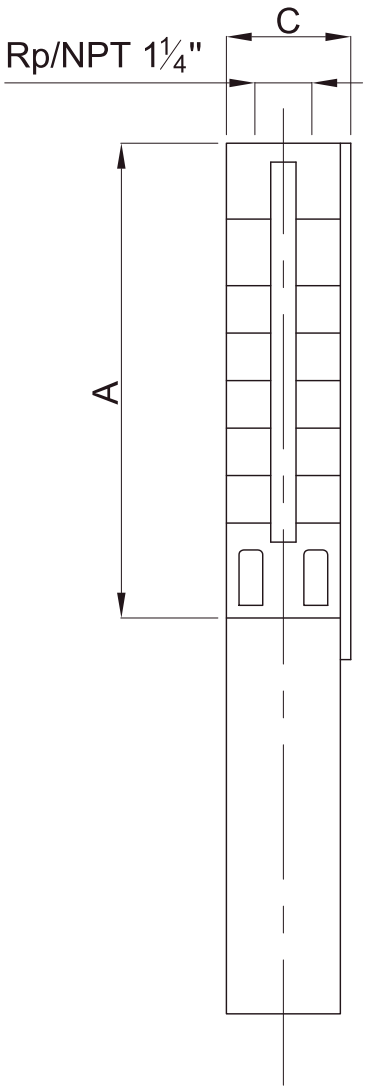
PUMP TYPE	MOTOR		Q=DELIVERY						
	P_2		l/min	0	5	10	15	20	25
	kW	HP	m^3/h	0	0.3	0.6	0.9	1.2	1.5
SP 05-09	0.25	0.33	H (m)	76	74	70	62	52	38
SP 05-13	0.37	0.5		108	105	99	90	76	55
SP 05-18	0.55	0.75		150	145	138	124	102	75
SP 05-22	0.75	1.0		183	179	170	153	127	93
SP 05-26	1.1	1.5		218	212	201	181	149	110
SP 05-31	1.1	1.5		256	248	235	210	172	121
SP 05-39	1.5	2.0		320	308	291	261	214	148

*Higher pressure, longer stages pumps up to 39 stages are available on request.

DIMENSIONS AND WEIGHTS

PUMP TYPE	MOTOR TYPE	DIMENSIONS (mm)		NET WEIGHT (kg)
		A	C	PUMP
SP 05-09	4"	356	98	3.00
SP 05-13	4"	440	98	3.17
SP 05-18	4"	545	98	4.60
SP 05-22	4"	629	98	5.37
SP 05-26	4"	713	98	6.10
SP 05-31	4"	841	98	8.90
SP 05-39	4"	1009	98	11.04

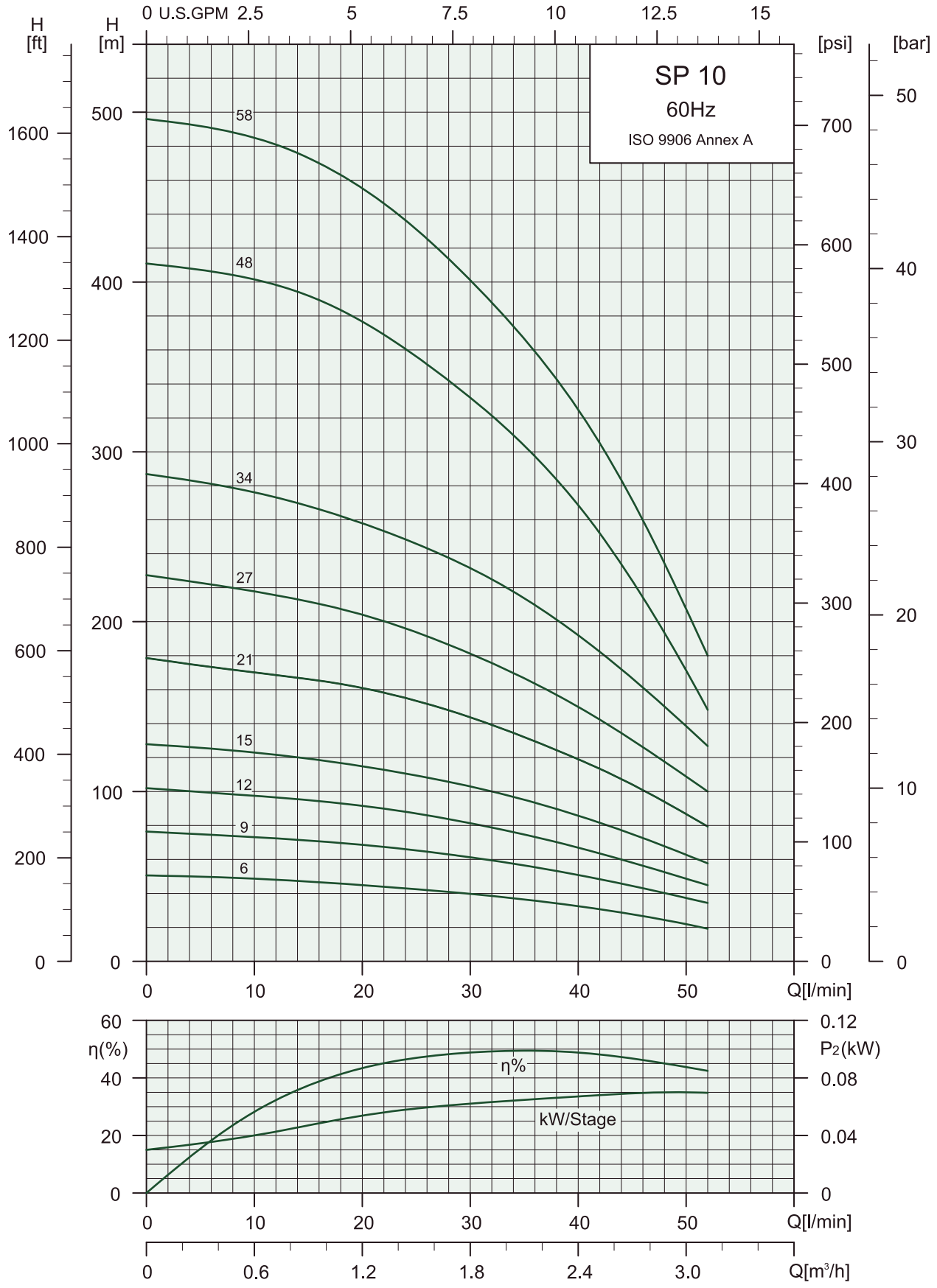
C=Maximum diameter of pump inclusive of cable guard and motor.



SP 4"

TECHNICAL DATA

PERFORMANCE CURVES



SP 4"

TECHNICAL DATA
SPECIFICATIONS

PUMP TYPE	MOTOR		Q=DELIVERY							
	P_2		l/min	0	20	25	30	35	40	50
	kW	HP	m^3/h	0	1.2	1.5	1.8	2.1	2.4	3.0
SP 10-06	0.25	0.33	H (m)	51	45	42	40	36	32	21
SP 10-09	0.37	0.5		77	69	65	61	56	51	37
SP 10-12	0.55	0.75		102	92	87	81	75	67	49
SP 10-15	0.75	1.0		128	115	109	103	95	86	63
SP 10-21	1.1	1.5		179	160	153	144	132	119	87
SP 10-27	1.5	2.0		227	204	194	181	167	150	109
SP 10-34	2.2	3.0		287	258	246	231	214	192	138
SP 10-48	4.0	5.5		411	376	356	331	303	268	171
▶ SP 10-58	4.0	5.5		496	455	431	401	367	325	207

*Higher pressure, longer stages pumps up to 59 stages are available on request.

▶With Sleeve

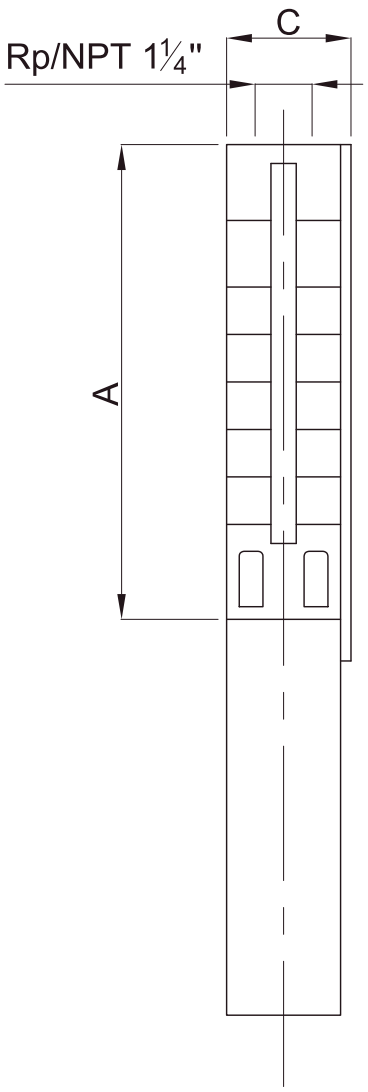
DIMENSIONS AND WEIGHTS

PUMP TYPE	MOTOR TYPE	DIMENSIONS (mm)		NET WEIGHT
		A	C	PUMP
SP 10-06	4"	293	98	2.50
SP 10-09	4"	356	98	3.10
SP 10-12	4"	419	98	3.67
SP 10-15	4"	482	98	4.40
SP 10-21	4"	608	98	5.53
SP 10-27	4"	734	98	6.50
SP 10-34	4"	904	98	10.60
SP 10-48	4"	1198	98	13.55
▶ SP 10-58	4"	1766	133	16.76

C=Maximum diameter of pump inclusive of cable guard and motor.

SP 10-58 are mounted in sleeve for R 1/4 connection

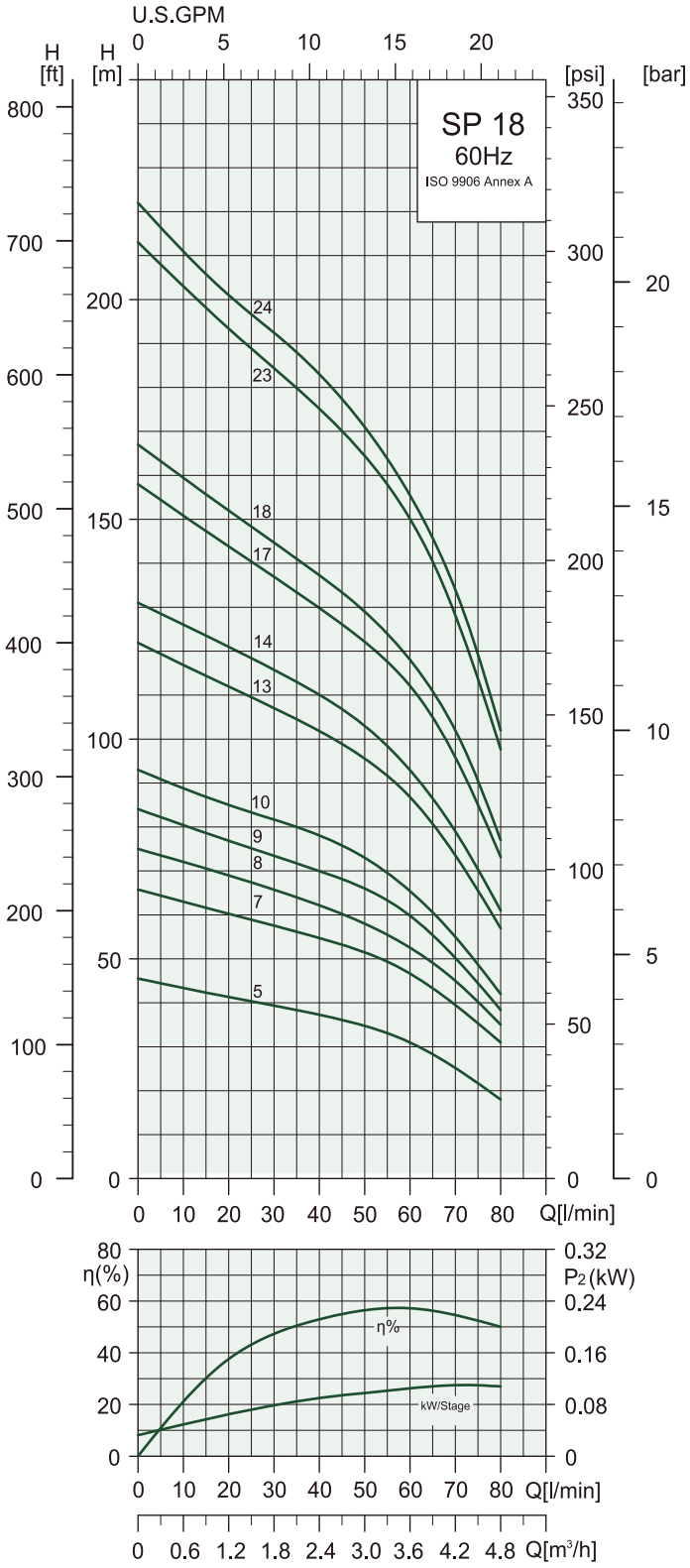
▶With Sleeve

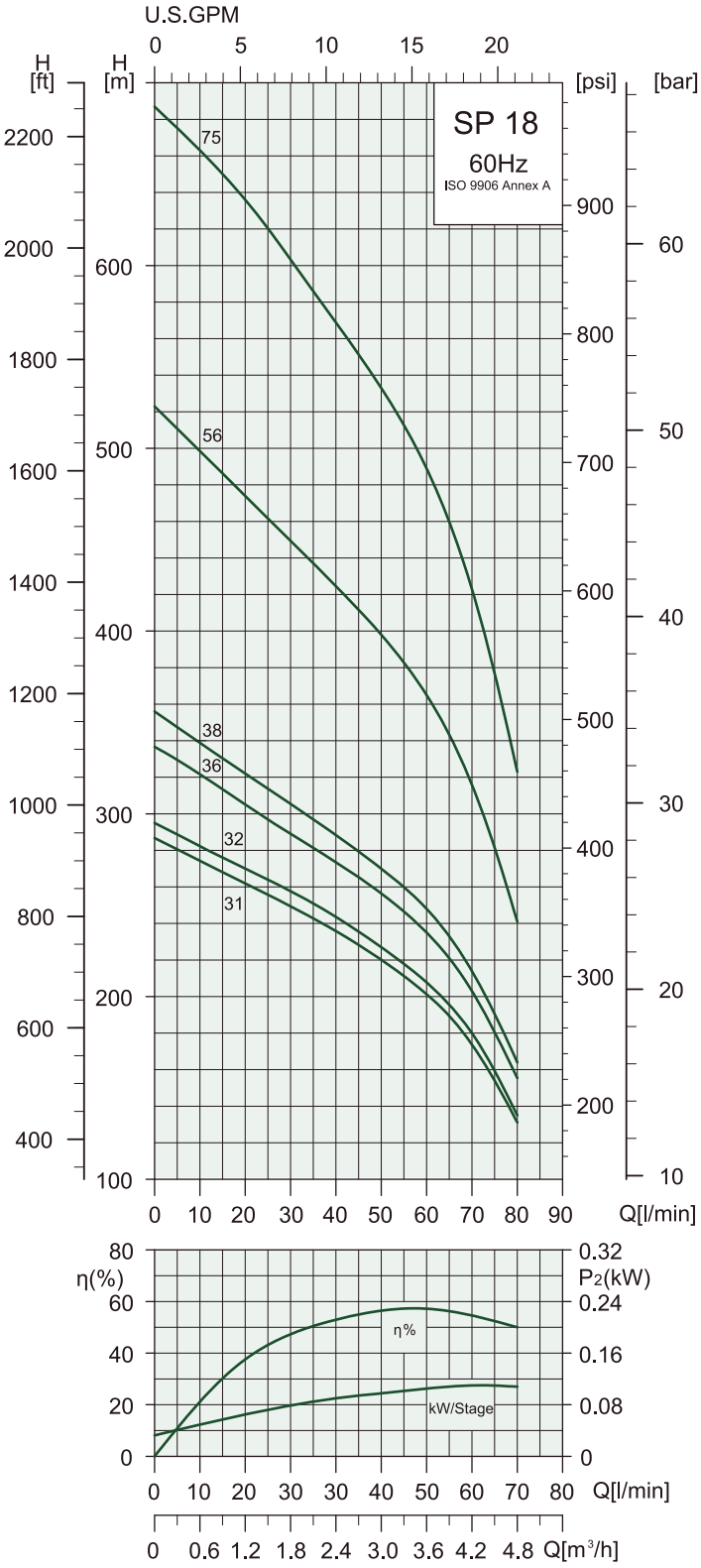


SP 4"

TECHNICAL DATA

PERFORMANCE CURVES





SP 4"

TECHNICAL DATA

SPECIFICATIONS

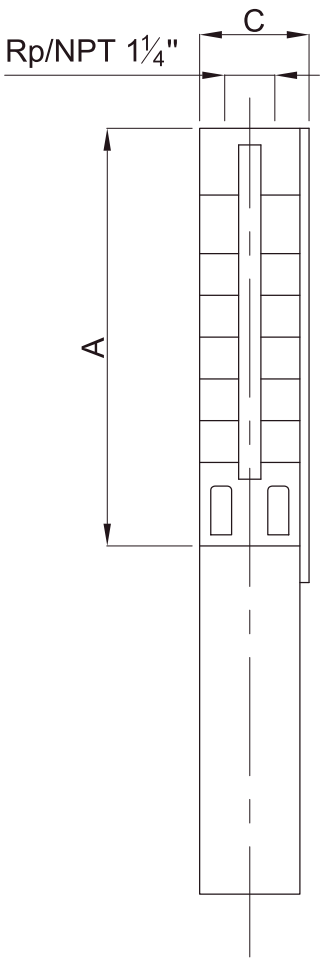
PUMP TYPE	MOTOR		Q=DELIVERY							
	P_2		l/min	0	35	40	50	60	70	80
	kW	HP	m^3/h	0	2.1	2.4	3.0	3.6	4.2	4.8
SP 18-05	0.37	0.53	H (m)	46	38	37	35	31	25	18
SP 18-07	0.55	0.75		66	56	55	51	47	39	31
SP 18-08	0.75	1.05		75	64	63	58	54	45	35
SP 18-09	0.75	1.0		84	72	70	66	60	50	38
SP 18-10	0.75	1.0		93	80	77	73	66	55	42
SP 18-13	1.1	1.5		122	105	102	96	87	73	57
SP 18-14	1.1	1.5		131	113	110	103	94	79	61
SP 18-17	1.5	2.0		158	133	130	122	112	96	73
SP 18-18	1.5	2.0		167	141	138	129	119	102	77
SP 18-23	2.2	3.0		213	180	175	164	150	128	98
SP 18-24	2.2	3.0		222	188	183	171	157	134	102
SP 18-31	3.0	4.0		286	243	236	220	201	174	131
SP 18-32	3.0	4.0		295	251	244	227	207	180	135
SP 18-36	3.75	5.0		337	281	274	256	235	203	155
SP 18-38	3.7	5.0		356	297	287	270	248	214	164
► SP 18-56	5.5	7.5		522	437	425	398	365	316	241
► SP 18-75	7.5	10.0		687	586	569	533	489	423	323

*Higher pressure, longer stages pumps up to 75 stages are available on request.
►With Sleeve

DIMENSIONS AND WEIGHTS

PUMP TYPE	MOTOR TYPE	DIMENSIONS (mm)		NET WEIGHT
		A	C	PUMP
SP 18-05	4"	272	98	2.33
SP 18-07	4"	314	98	2.72
SP 18-08	4"	335	98	2.87
SP 18-09	4"	356	98	3.07
SP 18-10	4"	377	98	3.27
SP 18-13	4"	440	98	3.92
SP 18-14	4"	461	98	4.08
SP 18-17	4"	524	98	4.66
SP 18-18	4"	545	98	4.88
SP 18-23	4"	650	98	5.73
SP 18-24	4"	671	98	5.98
SP 18-31	4"	841	98	7.95
SP 18-32	4"	862	98	9.50
SP 18-36	4"	946	98	10.80
SP 18-38	4"	988	98	11.44
► SP 18-56	4"	1724	133	17.50
► SP 18-56	6"	1741	140	17.24
► SP 18-75	6"	1951	140	22.11

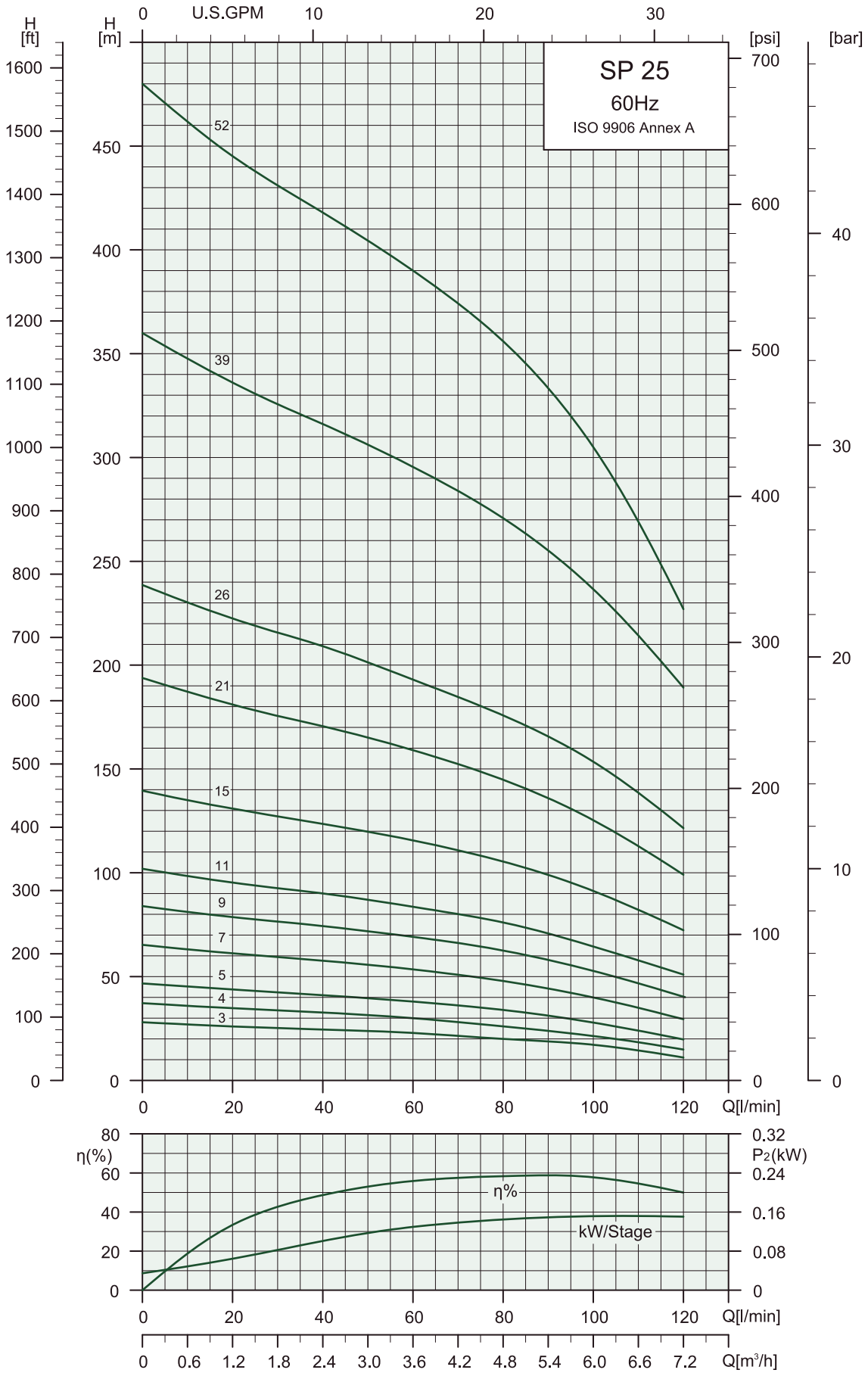
C=Maximum diameter of pump inclusive of cable guard and motor.
SP 18-56 and SP 18-75 are mounted in sleeve for R 1/4 connection
►With Sleeve



SP 4"

TECHNICAL DATA

PERFORMANCE CURVES



SP 4"

TECHNICAL DATA
SPECIFICATIONS

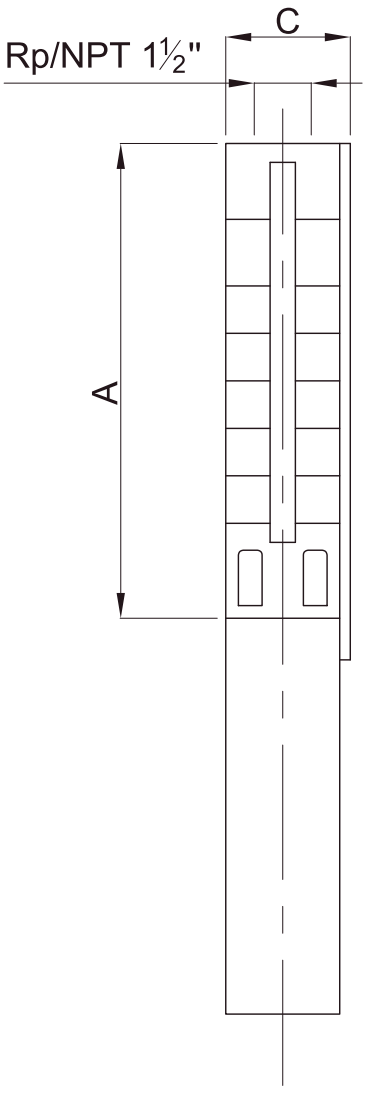
PUMP TYPE	MOTOR		Q=DELIVERY							
	P_2		l/min	0	35	40	50	60	70	80
	kW	HP	m^3/h	0	2.1	2.4	3.0	3.6	4.2	4.8
SP 25-03	0.37	0.53	H (m)	28	23	21	20	18	17	11
SP 25-04	0.37	0.55		37	30	28	26	24	23	15
SP 25-05	0.55	0.75		47	38	36	34	31	28	20
SP 25-07	0.75	1.0		65	53	51	48	44	40	29
SP 25-09	1.15	1.5		84	69	66	63	58	53	40
SP 25-11	1.5	2.0		102	84	80	76	71	65	51
SP 25-15	2.2	3.0		140	116	111	105	99	91	72
SP 25-21	3.0	4.0		194	159	152	145	136	125	99
SP 25-26	3.7	5.0		237	193	185	176	166	153	122
SP 25-39	5.5	7.5		360	295	284	271	255	237	189
► SP 25-52	7.5	10.0		480	390	374	356	333	305	227

*Higher pressure, longer stages pumps up to 75 stages are available on request.
►With Sleeve

DIMENSIONS AND WEIGHTS

PUMP TYPE	MOTOR TYPE	DIMENSIONS (mm)		NET WEIGHT
		A	C	PUMP
SP 25-03	4"	230	98	1.90
SP 25-04	4"	251	98	2.12
SP 25-05	4"	272	98	2.30
SP 25-07	4"	314	98	2.83
SP 25-09	4"	356	98	3.15
SP 25-11	4"	398	98	3.50
SP 25-15	4"	482	98	4.28
SP 25-21	4"	608	98	5.50
SP 25-26	4"	713	98	6.38
SP 25-39	4"	994	98	11.54
SP 25-39	6"	1068	138	13.54
► SP 25-52	6"	1852	140	16.10

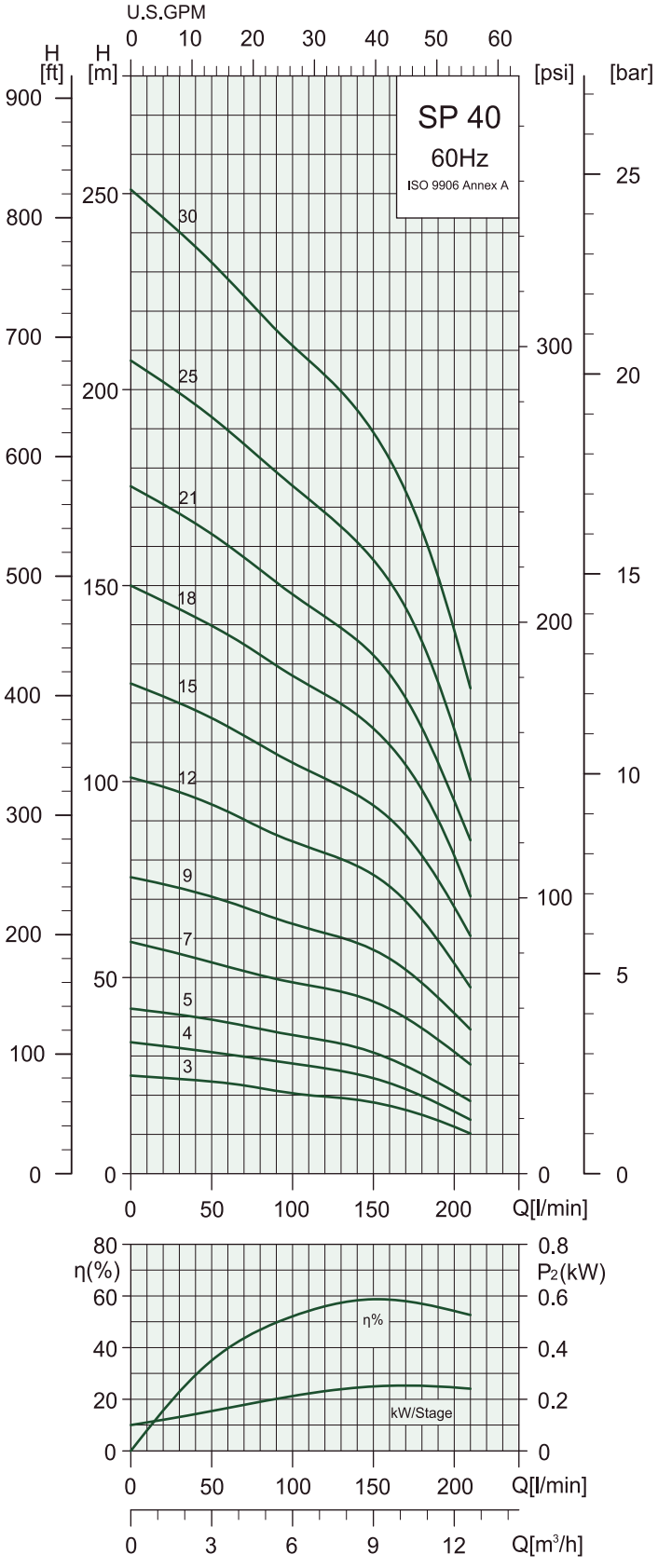
C=Maximum diameter of pump inclusive of cable guard and motor.
SP 25-52 are mounted in sleeve for R 1/2 connection
► With Sleeve

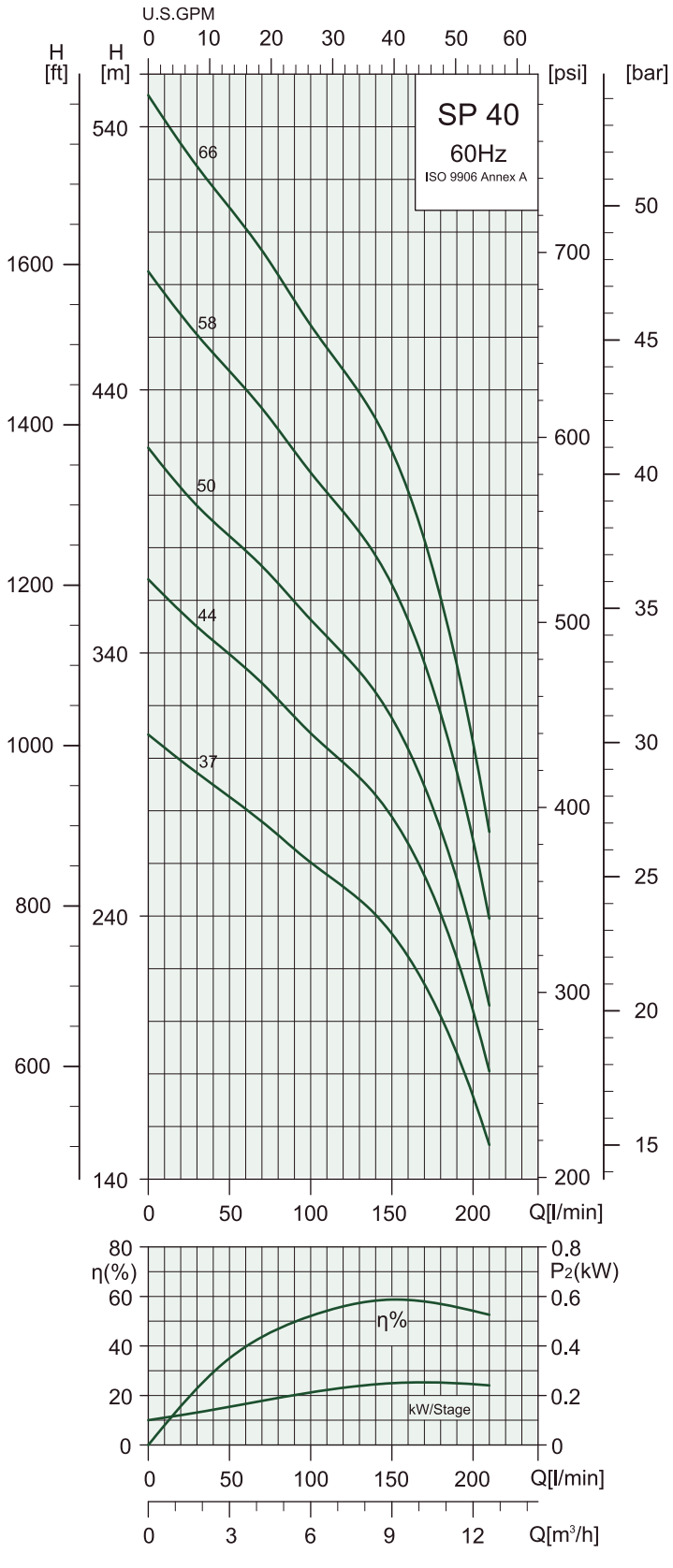


SP 4"

TECHNICAL DATA

PERFORMANCE CURVES





SP 4"

TECHNICAL DATA
SPECIFICATIONS

PUMP TYPE	MOTOR		Q=DELIVERY								
	P_2		l/min	0	80	90	100	120	140	160	180	200
	kW	HP	m^3/h	0	4.8	5.4	6.0	7.2	8.4	9.6	10.8	12.0
SP 40-03	0.55	0.75	H (m)	25	22	21	20	19.5	19	17	15	12
SP 40-04	0.75	1.0		33	29	28	27	26	25	23	20	16
SP 40-05	1.1	1.5		42	37	36	35	34	32	29	25	21
SP 40-07	1.5	2.0		59	51	50	49	47	45	42	37	31
SP 40-09	2.2	3.0		76	66	65	64	61	59	55	49	41
SP 40-12	3.0	4.0		101	88	86	85	82	78	73	65	54
SP 40-15	3.7	5.0		125	109	107	105	101	97	91	81	68
SP 40-18	5.5	7.5		150	132	129	127	122	117	109	98	81
SP 40-21	5.5	7.5		175	154	151	148	142	136	127	114	95
SP 40-25	5.5	7.5		207	183	179	175	169	161	151	136	113
SP 40-30	7.5	10.0		251	220	215	211	204	195	182	164	139
SP 40-37	11.0	15.0		309	270	265	260	251	241	224	202	172
SP 40-44	11.0	15.0		368	322	315	309	298	286	268	241	204
► SP 40-50	13.0	17.5		418	366	359	352	339	325	304	273	232
► SP 40-58	15.0	20.0		485	425	416	408	393	377	353	317	269
► SP 40-66	15.0	20.0		552	484	474	465	448	429	402	361	306

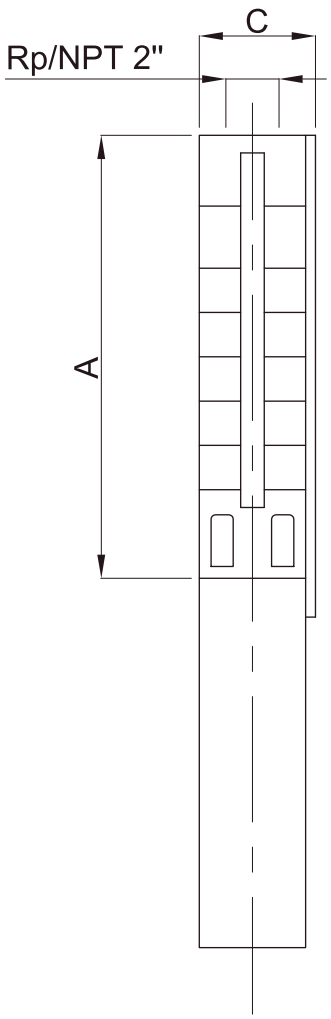
*Higher pressure, longer stages pumps up to 66 stages are available on request.

►With Sleeve

DIMENSIONS AND WEIGHTS

PUMP TYPE	MOTOR TYPE	DIMENSIONS (mm)		NET WEIGHT
		A	C	PUMP
SP 40-03	4"	328	98	3.30
SP 40-04	4"	370	98	4.10
SP 40-05	4"	412	98	4.28
SP 40-07	4"	496	98	5.20
SP 40-09	4"	580	98	6.33
SP 40-12	4"	706	98	7.70
SP 40-15	4"	832	98	9.20
SP 40-18	4"	958	98	10.50
SP 40-18	6"	1024	138	12.60
SP 40-21	4"	1084	98	12.34
SP 40-21	6"	1150	138	14.04
SP 40-25	4"	1252	98	14.55
SP 40-25	6"	1318	138	17.20
SP 40-30	4"	1459	98	16.63
SP 40-30	6"	1525	138	18.50
SP 40-37	6"	1819	138	22.10
SP 40-44	6"	2116	138	25.50
► SP 40-50	6"	2669	140	28.50
► SP 40-58	6"	3005	140	48.44
► SP 40-66	6"	3341	140	67.14

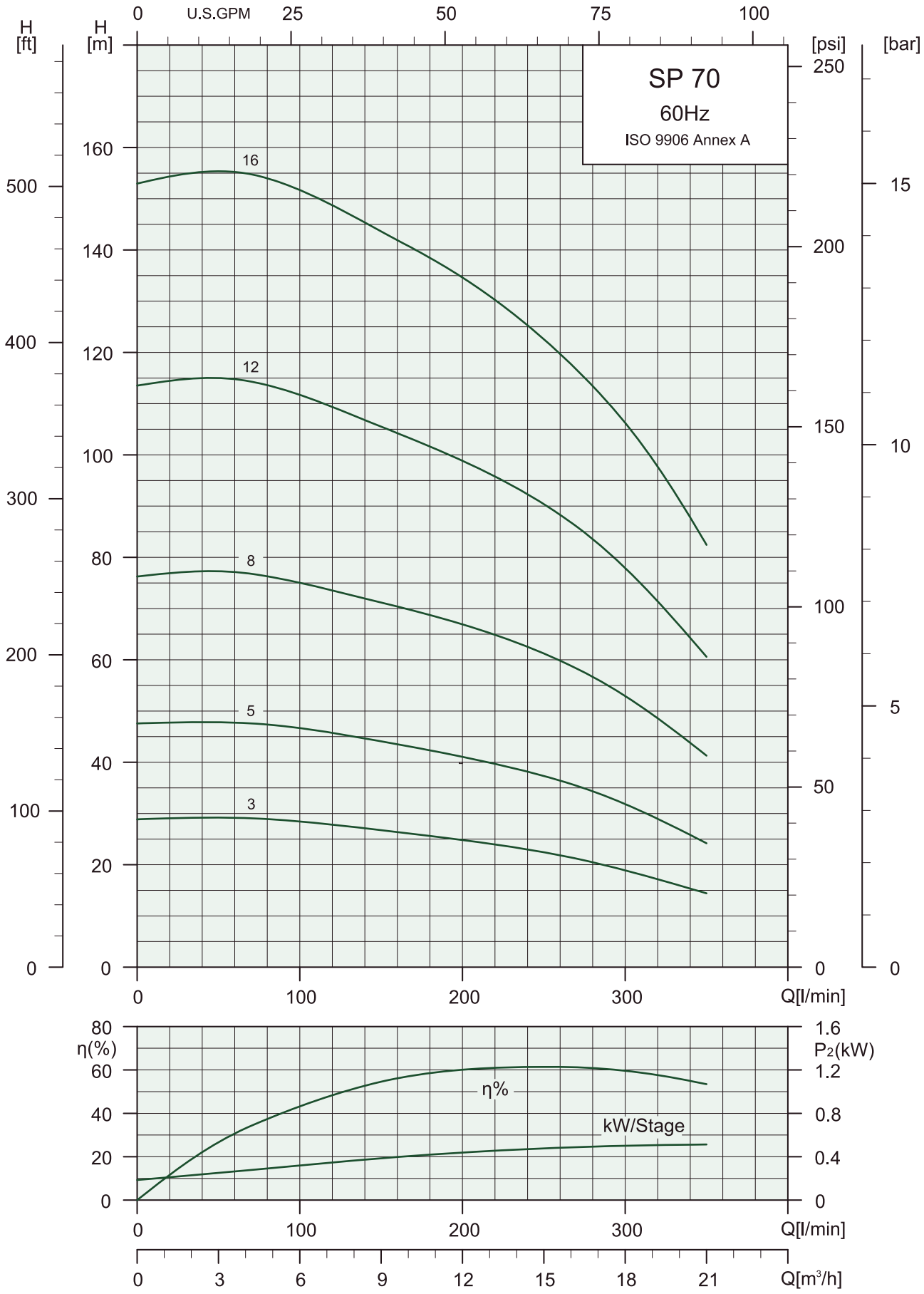
C=Maximum diameter of pump inclusive of cable guard and motor.
SP 40-50 to SP 40-66 are mounted in sleeve for R 2 connection
►With Sleeve



SP 4"

TECHNICAL DATA

PERFORMANCE CURVES



SP 4"

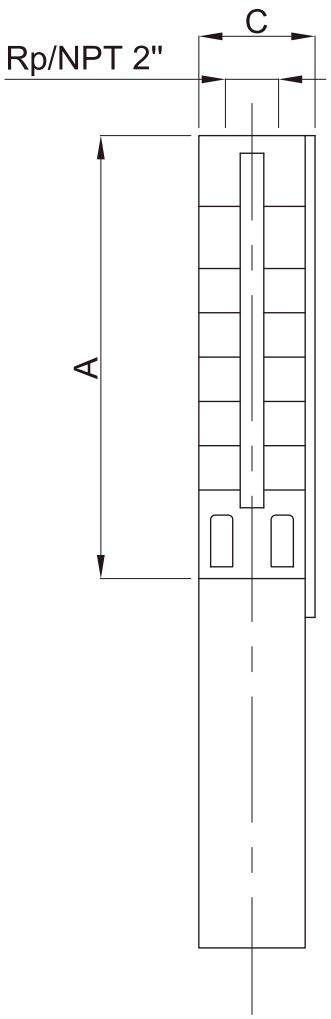
TECHNICAL DATA
SPECIFICATIONS

PUMP TYPE	MOTOR		Q=DELIVERY								
	P_2		l/min	0	140	160	180	200	250	300	350
	kW	HP	m^3/h	0	8.4	9.6	10.8	12.0	15.0	18.0	21.0
SP 70-03	1.5	2.0	H (m)	29	28	27	26	25	22	19	14
SP 70-05	2.2	3.0		48	45	44	42	41	37	32	24
SP 70-08	3.7	5.0		76	72	70	69	67	61	53	41
SP 70-12	5.5	7.5		114	107	104	102	99	90	78	61
SP 70-16	7.5	10.0		153	145	142	138	135	123	106	82

DIMENSIONS AND WEIGHTS

PUMP TYPE	MOTOR TYPE	DIMENSIONS (mm)		NET WEIGHT
		A	C	PUMP
SP 70-03	4"	375	98	3.87
SP 70-05	4"	505	98	5.23
SP 70-08	4"	700	98	7.27
SP 70-12	4"	960	98	10.00
SP 70-12	6"	1025	136	11.71
SP 70-16	4"	1220	98	14.50
SP 70-16	6"	1285	136	13.86

C=Maximum diameter of pump inclusive of cable guard and motor.



SP 6"

GENERAL DATA



MODEL CODE

SP 230 -2- AB

- AB — Number of small impeller
- 2 — Total number of impeller
- 230 — Rated Flow (GPM)
- SP — Model

DESCRIPTION

SP6" submersible pumps are made of corrosion and abrasion resistant stainless steel and have been developed in accordance with state-of-the-art technology.

The SP series of pumps are manufactured to the highest standards for energy efficiency, dependable performance, rugged construction and long service life for the most demanding applications.

APPLICATIONS

-Portable water supply
-Agricultural irrigation and livestock watering
-Municipal and industrial water supply
-Pressure boosting
-Mining applications
-Groundwater lowering
-Fountain

PUMPED LIQUIDS

Clean, thin, non-aggressive and non-corrosive liquids without solid particles or fibers.

OPERATION CONDITIONS

-Capacity (m^3/h) min 6 max 90.
-Total Head: Max. 794 m.
-Max. Liquids temperature: 90° C.
-Sand content: Max. 50 g/m^3.
-Motor speed: 3450 rpm.

FEATURES

-Stainless steel construction designed and built for years of trouble free operation.

-Designed and built to operate in difficult conditions.

-All metal parts are made of 304 or 316 stainless steel.

-Heavy duty stainless steel discharge head with built-in check valve for preventing back flow in connection with pump stoppage and the risk of destructive water hammer is reduced to a minimum.

-Smooth safety hook.

-NEMA standard of bracket mounting.

-High quality shaft bearing provide low friction and high wear resistance.

-The stop ring prevents damage to the pump during transport and in case of up-thrust in connection with start-up.

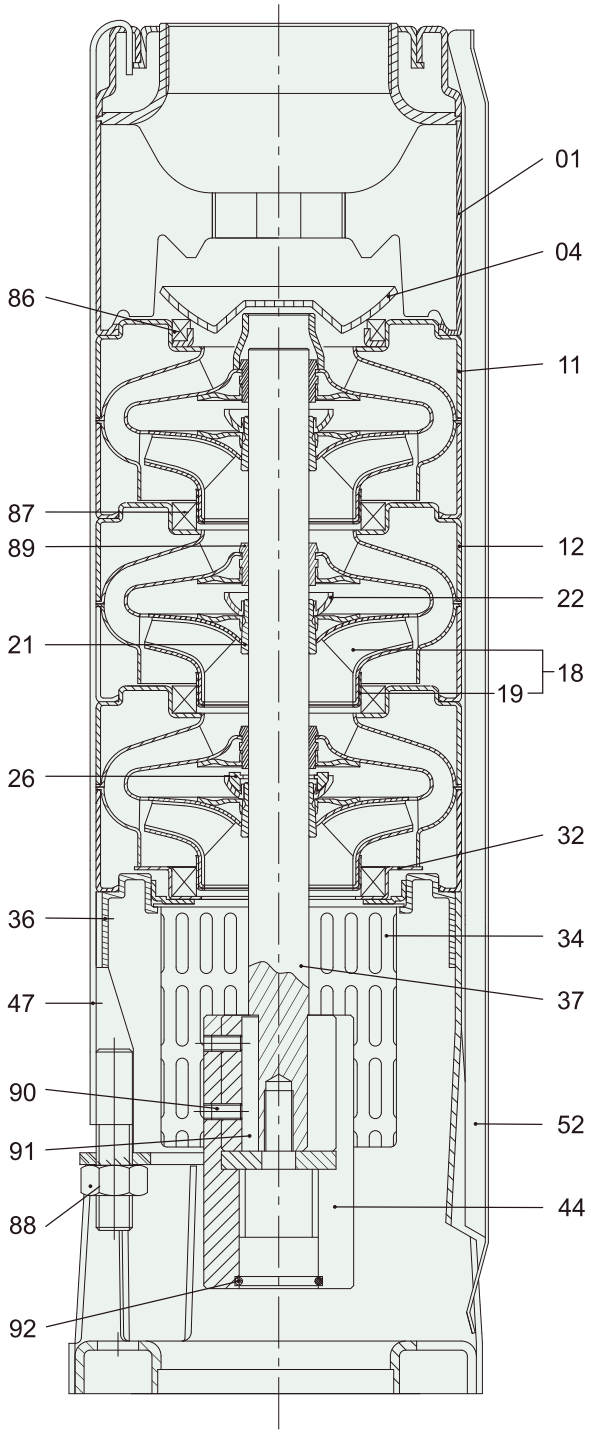
-The stop ring, which is designed as a trust bearing, limits axial movements of the pump shaft.

-Stainless steel strainer to restrict the entry of sand and other extraneous material.

SP 6"

GENERAL DATA

MATERIALS



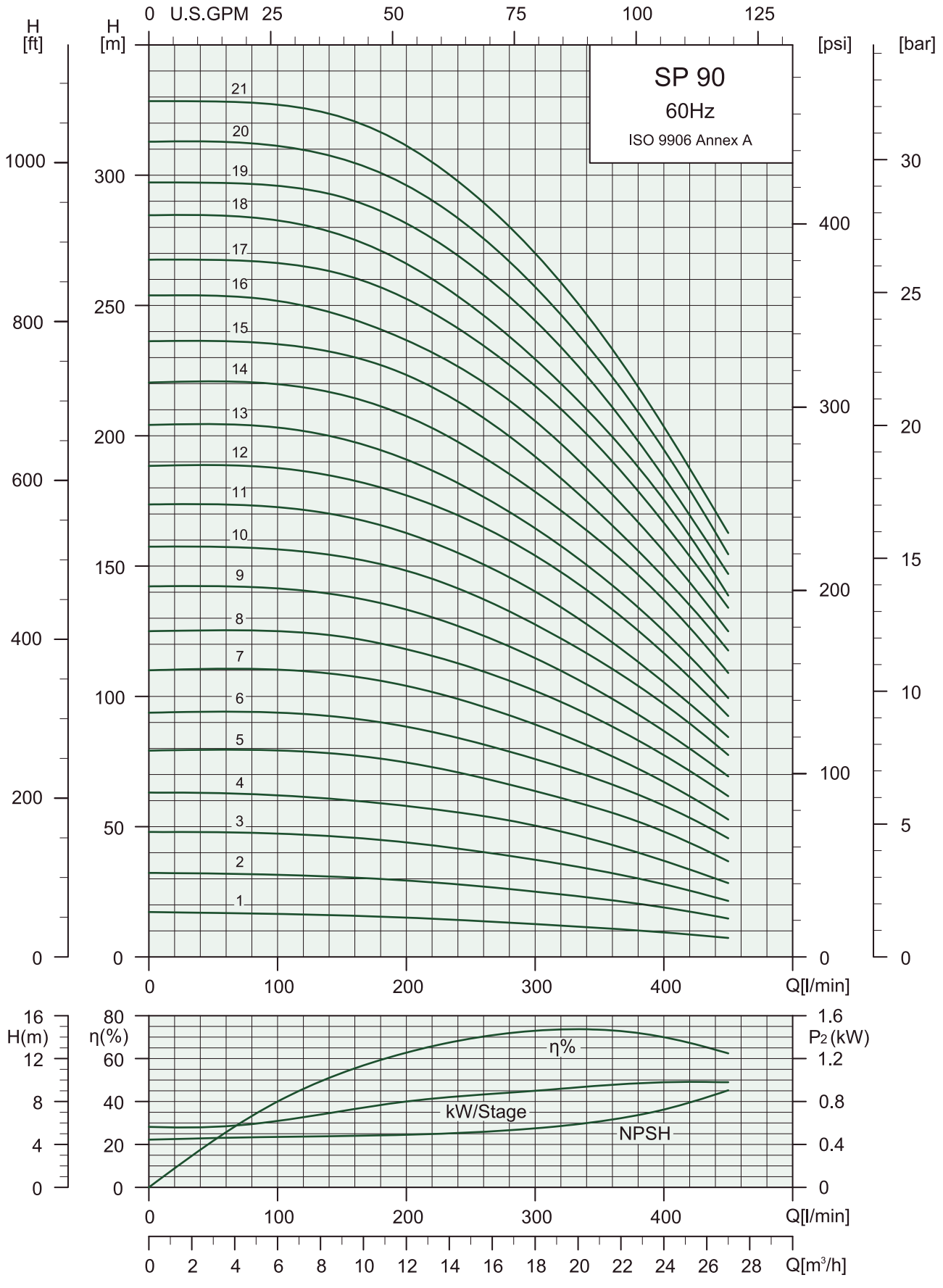
POS.	PART NAME	MATERIALS
01	Discharge	AISI304 / AISI316
04	Valve Cone	AISI304 / AISI316
11	Top Diffuser	AISI304 / AISI316
12	Diffuser	AISI304 / AISI316
18	Impeller	AISI304 / AISI316
19	Ring of Impeller	AISI304 / AISI316
21	Split Cone	AISI304 / AISI316
22	Split Cone Nut	AISI304 / AISI316
26	Spacing washer for stop ring	Carbon+Graphite+PTFE
32	Neck Ring Retainer	AISI304 / AISI316
34	Strainer	AISI304 / AISI316
36	Suction Interconnector	AISI304 / AISI316
37	Pump shaft	AISI434 / AISI316
44	Coupling	AISI304 / AISI316
47	Strap	AISI304 / AISI316
52	Cable guard	AISI304 / AISI316
86	Valve Seat	AISI304+NBR / AISI316+HNBR
87	Neck Ring Nut	AISI304+NBR / AISI316+HNBR
88	Nut	AISI304 / AISI316
89	Bearing	NBR / HNBR
90	Screw	AISI304 / AISI316
91	Key	AISI304 / AISI316
92	O-ring	NBR / HNBR

*AISI 316 stainless steel pumps are available on request.

SP 6″

TECHNICAL DATA

PERFORMANCE CURVES



SP 6"

TECHNICAL DATA

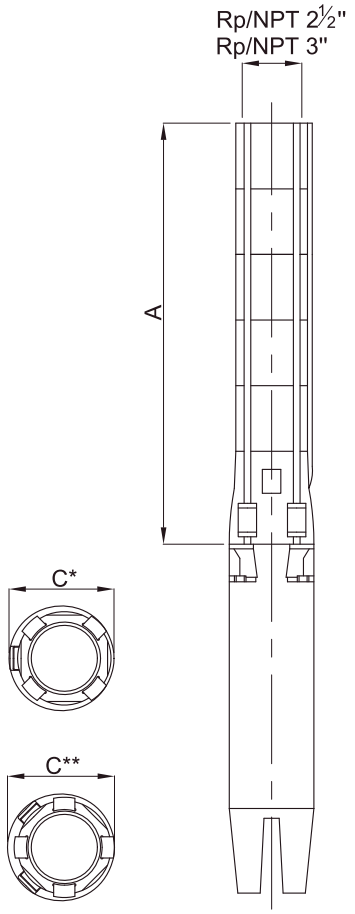
SPECIFICATIONS

PUMP TYPE	MOTOR		Q=DELIVERY								
	P_2		l/min	100	150	200	250	300	350	400	450
	kW	HP	m^3/h	6	9	12	15	18	21	24	27
SP 90-1	1.1	1.5		17	15	14	13	13	13	9	8
SP 90-2	2.2	3.0		32	31	29	28	25	23	19	16
SP 90-3	3.0	4.0		48	47	44	41	38	33	28	22
SP 90-4	3.7	5.0		62	60	58	55	50	45	37	28
SP 90-5	5.5	7.5		79	78	75	70	63	57	48	37
SP 90-6	5.5	7.5		93	92	88	83	76	68	58	46
SP 90-7	7.5	10.0		110	108	103	98	89	79	68	53
SP 90-8	7.5	10.0		125	122	118	112	102	91	78	62
SP 90-9	7.5	10.0		141	138	133	125	115	102	88	70
SP 90-10	9.3	12.5	H	157	154	148	140	128	115	98	78
SP 90-11	9.3	12.5	(m)	172	169	162	153	140	125	106	84
SP 90-12	11.0	15.0		188	184	177	167	154	138	117	93
SP 90-13	11.0	15.0		203	199	190	179	165	147	125	100
SP 90-14	13.0	17.5		220	216	208	195	179	160	138	110
SP 90-15	13.0	17.5		235	231	223	210	192	170	146	119
SP 90-16	15.0	20.0		252	247	237	224	206	184	156	126
SP 90-17	15.0	20.0		268	262	252	238	219	196	166	134
SP 90-18	15.0	20.0		283	277	266	250	230	205	176	140
SP 90-19	18.5	25.0		295	292	282	266	245	218	185	147
SP 90-20	18.5	25.0		311	307	297	280	258	229	195	155
SP 90-21	18.5	25.0		327	322	312	294	271	241	205	163

*Higher pressure, longer stages pumps up to 50 stages are available on request.

DIMENSIONS AND WEIGHTS

PUMP TYPE	MOTOR TYPE	DIMENSIONS (mm)			NET WEIGHT (kg)
		A	C*	C**	PUMP
SP 90-1	4"	324	131		4.60
SP 90-2	4"	385	131		6.00
SP 90-3	4"	445	131		7.30
SP 90-4	4"	506	131		8.70
SP 90-5	4"	566	131		10.00
SP 90-5	4"	585	142	142	10.80
SP 90-6	4"	626	131		11.40
SP 90-6	6"	645	142	142	12.20
SP 90-7	4"	687	131		12.70
SP 90-7	6"	706	142	142	13.70
SP 90-8	4"	747	131		14.10
SP 90-8	6"	766	142	142	15.10
SP 90-9	4"	808	131		15.40
SP 90-9	6"	827	142	142	16.60
SP 90-10	6"	887	142	142	17.89
SP 90-11	6"	948	142	142	19.50
SP 90-12	6"	1008	142	142	20.90
SP 90-13	6"	1069	142	142	22.40
SP 90-14	6"	1129	142	142	23.80
SP 90-15	6"	1190	142	142	25.30
SP 90-16	6"	1250	142	142	26.70
SP 90-17	6"	1311	142	142	27.46
SP 90-18	6"	1371	142	142	29.60
SP 90-19	6"	1432	142	142	31.10
SP 90-20	6"	1492	142	142	31.42
SP 90-21	6"	1553	142	142	34.00



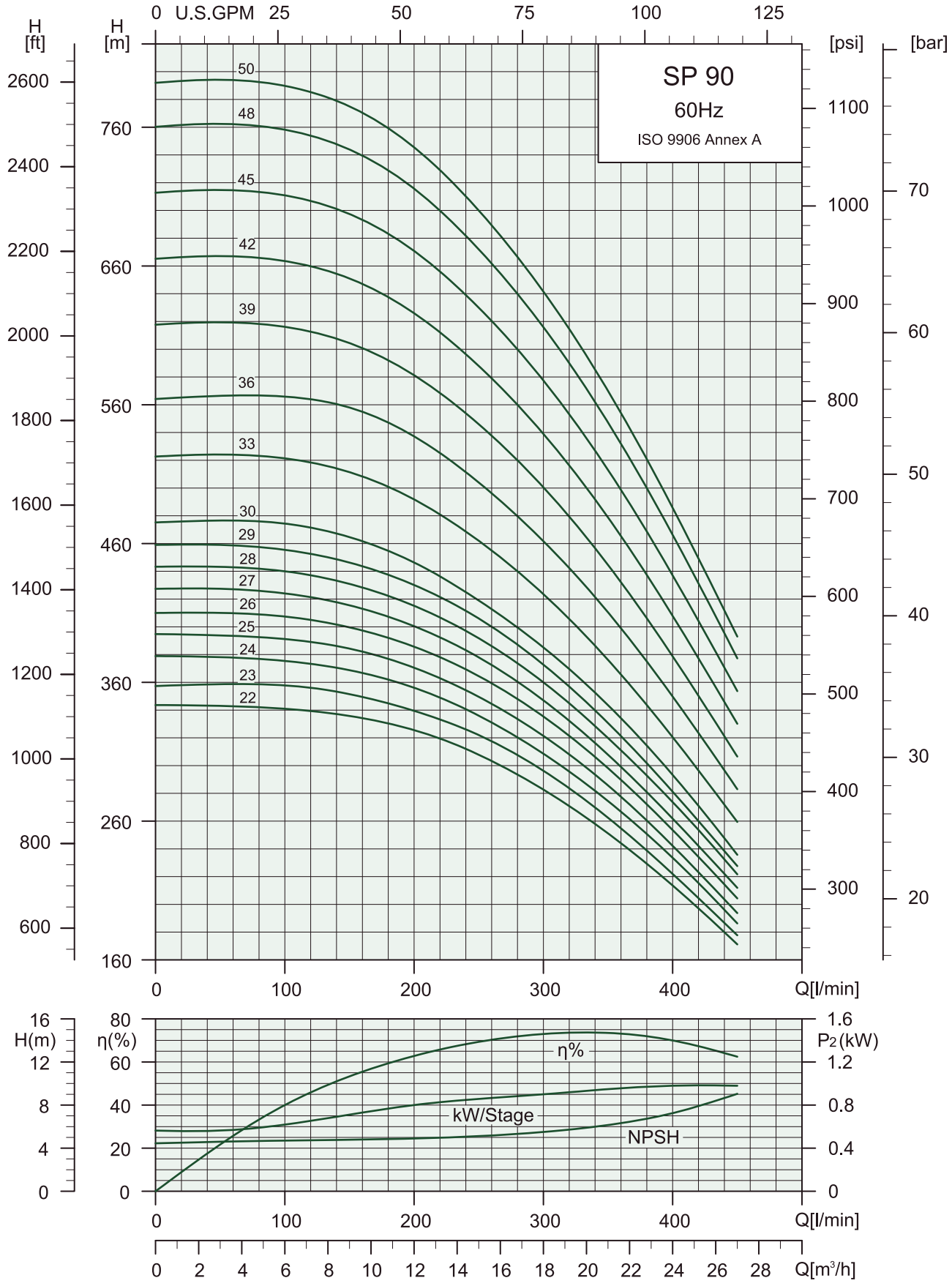
C*:Maximum diameter of pump with one motor cable.

C**:Maximum diameter of pump with two motor cable.

SP 6"

TECHNICAL DATA

PERFORMANCE CURVES



SP 6"

TECHNICAL DATA
SPECIFICATIONS

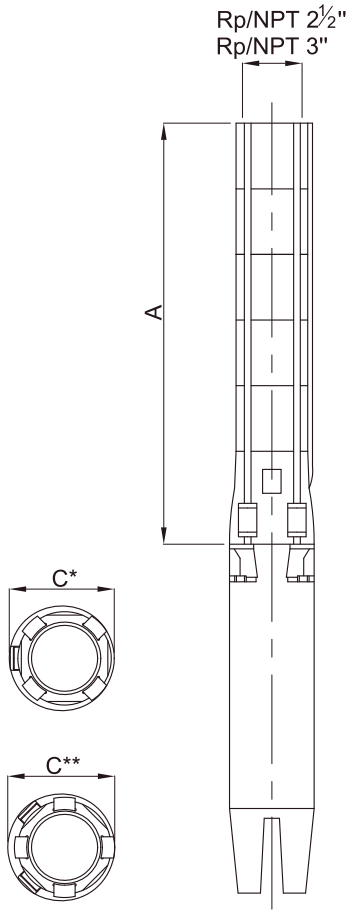
PUMP TYPE	MOTOR		Q=DELIVERY								
	P_2		l/min	100	150	200	250	300	350	400	450
	kW	HP	m^3/h	6	9	12	15	18	21	24	27
SP 90-22	18.5	25.0		341	336	325	308	282	251	214	170
SP 90-23	22.0	30.0		357	351	340	322	295	262	223	178
SP 90-24	22.0	30.0		376	369	357	336	309	275	233	186
SP 90-25	22.0	30.0		392	384	372	355	322	287	243	194
SP 90-26	22.0	30.0		408	400	386	365	336	398	253	205
SP 90-27	26.0	35.0		424	416	400	378	347	308	263	212
SP 90-28	26.0	35.0		440	431	415	392	360	320	273	220
SP 90-29	26.0	35.0	H (m)	456	446	430	406	373	331	283	228
SP 90-30	26.0	35.0		473	465	446	420	385	343	293	236
► SP 90-33	30.0	40.0		521	512	492	462	424	376	321	259
► SP 90-36	30.0	40.0		566	558	537	504	462	410	350	283
► SP 90-39	37.0	50.0		616	605	581	546	500	445	379	307
► SP 90-42	37.0	50.0		663	651	626	588	539	479	408	330
► SP 90-45	45.0	60.0		711	698	671	630	577	513	437	354
► SP 90-48	45.0	60.0		758	744	716	672	616	547	466	377
► SP 90-50	45.0	60.0		790	775	746	700	641	570	486	393

*Higher pressure, longer stages pumps up to 50 stages are available on request.

►With sleeve

DIMENSIONS AND WEIGHTS

PUMP TYPE	MOTOR TYPE	DIMENSIONS (mm)			NET WEIGHT (kg)
		A	C*	C**	PUMP
SP 90-22	6"	1613	142	142	35.40
SP 90-23	6"	1674	142	142	36.90
SP 90-24	6"	1734	142	142	37.50
SP 90-25	6"	1795	142	142	39.80
SP 90-26	6"	1855	142	142	41.20
SP 90-27	6"	1916	142	142	41.48
SP 90-28	6"	1976	142	142	43.20
SP 90-29	6"	2037	142	142	45.60
SP 90-30	6"	2097	142	142	47.00
► SP 90-33	6"	2650	178	181	51.40
► SP 90-36	6"	2832	178	181	55.70
► SP 90-39	6"	3013	178	181	60.10
► SP 90-42	8"	3148	192	192	10.00
► SP 90-45	8"	3329	192	192	8.70
► SP 90-48	8"	3511	192	192	10.00
► SP 90-50	8"	3632	192	192	10.80



C*:Maximum diameter of pump with one motor cable.

C**:Maximum diameter of pump with two motor cable.

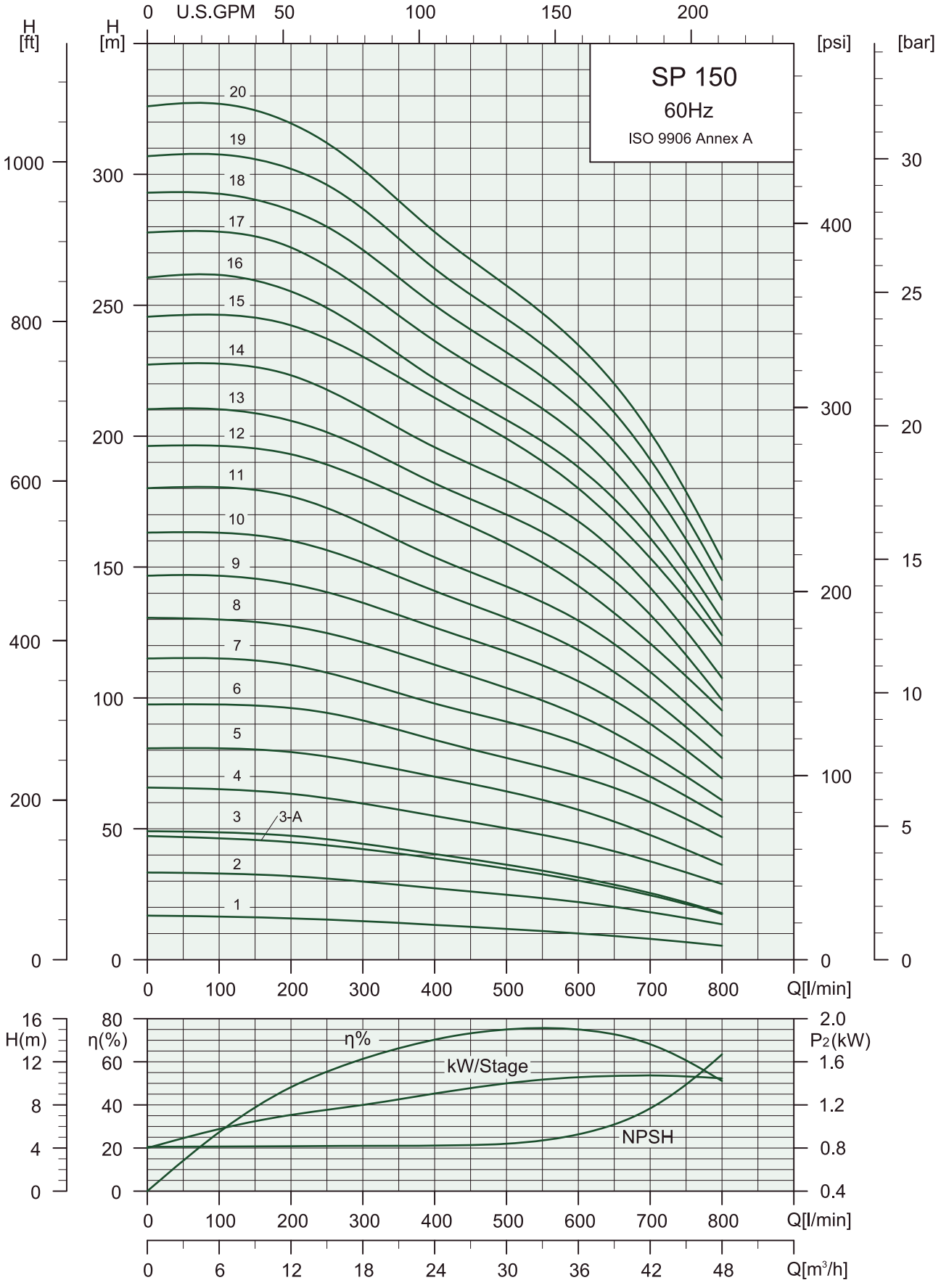
SP 90-33 to SP 90-50 are mounted in sleeve for R 3 connection

With Sleeve

SP 6"

TECHNICAL DATA

PERFORMANCE CURVES



SP 6"

TECHNICAL DATA

SPECIFICATIONS

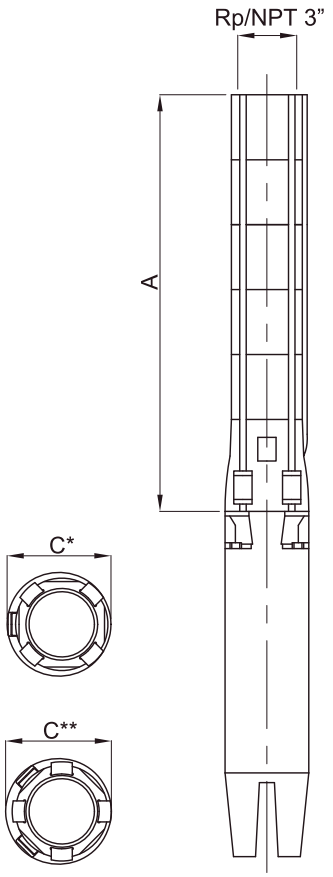
PUMP TYPE	MOTOR		Q=DELIVERY													
	P2		l/min	200	250	300	350	400	450	500	550	600	650	700	750	800
	kW	HP	m³/h	12	15	18	21	24	27	30	33	36	39	42	45	48
SP 150-1	1.5	2.0		16	15.5	15	14	13.5	13	12	11	10	9	8	6	5
SP 150-2	3.0	4.0		32	31	29	28	27	26	24	23	22	20	18	16	13
SP 150-3A	3.7	5.0		44	43	42	40	38	36	34	32	30	27	24	21	17
SP 150-3	4.0	5.5		47	46	45	42	40	38	36	34	32	29	26	22	18
SP 150-4	5.5	7.5		63	62	59	57	55	53	50	47	45	41	37	34	28
SP 150-5	7.5	10.0		79	77	75	72	70	67	64	61	58	53	47	42	36
SP 150-6	9.3	12.5		97	94	91	87	84	81	78	75	70	66	60	54	47
SP 150-7	9.3	12.5		113	110	106	102	98	94	91	87	82	77	70	63	55
SP 150-8	11.0	15.0		128	125	121	117	113	108	104	99	93	87	78	70	61
SP 150-9	13.0	17.5		144	140	137	131	127	122	117	113	106	99	90	79	69
SP 150-10	13.0	17.5	H (m)	160	156	152	146	141	136	130	125	118	110	100	88	77
SP 150-11	15.0	20.0		177	172	167	160	154	148	143	137	129	120	110	97	86
SP 150-12	18.5	25.0		193	189	184	178	172	166	158	152	143	133	120	108	95
SP 150-13	18.5	25.0		207	202	195	189	182	176	170	163	155	145	131	117	99
SP 150-14	18.5	25.0		223	217	210	204	196	189	183	176	167	156	142	126	107
SP 150-15	22.0	30.0		242	237	230	223	215	207	198	190	180	167	154	137	120
SP 150-16	22.0	30.0		255	249	241	231	222	214	206	198	188	176	161	143	124
SP 150-17	22.0	30.0		272	265	256	246	236	227	219	210	200	187	170	150	130
SP 150-18	26.0	35.0		286	280	271	260	250	241	232	223	212	198	181	160	138
SP 150-19	26.0	35.0		302	296	287	275	264	254	245	235	223	209	191	169	145
SP 150-20	26.0	35.0		312	302	290	278	267	257	247	242	242	220	201	178	153

*Higher pressure, longer stages pumps up to 39 stages are available on request.

DIMENSIONS AND WEIGHTS

PUMP TYPE	MOTOR TYPE	DIMENSIONS (mm)			NET WEIGHT (kg)
		A	C*	C**	PUMP
SP 150-1	4"	347	131	-	6.70
SP 150-2	4"	443	131	-	6.90
SP 150-3A	4"	539	131	-	8.70
SP 150-3	4"	539	131	-	8.70
SP 150-4	4"	635	131	-	11.80
SP 150-4	6"	654	142	142	11.80
SP 150-5	4"	731	131	-	13.50
SP 150-5	6"	750	142	142	13.50
SP 150-6	6"	846	142	142	15.20
SP 150-7	6"	942	142	142	16.90
SP 150-8	6"	1038	142	142	18.60
SP 150-9	6"	1134	142	142	20.30
SP 150-10	6"	1230	142	142	22.00
SP 150-11	6"	1326	142	142	25.20
SP 150-12	6"	1422	142	142	27.24
SP 150-13	6"	1518	142	142	29.06
SP 150-14	6"	1614	142	142	30.88
SP 150-15	6"	1710	142	142	32.80
SP 150-16	6"	1806	142	142	34.60
SP 150-17	6"	1902	142	142	36.30
SP 150-18	6"	1998	142	142	38.40
SP 150-19	6"	2094	142	142	37.20
SP 150-20	6"	2190	142	142	38.90

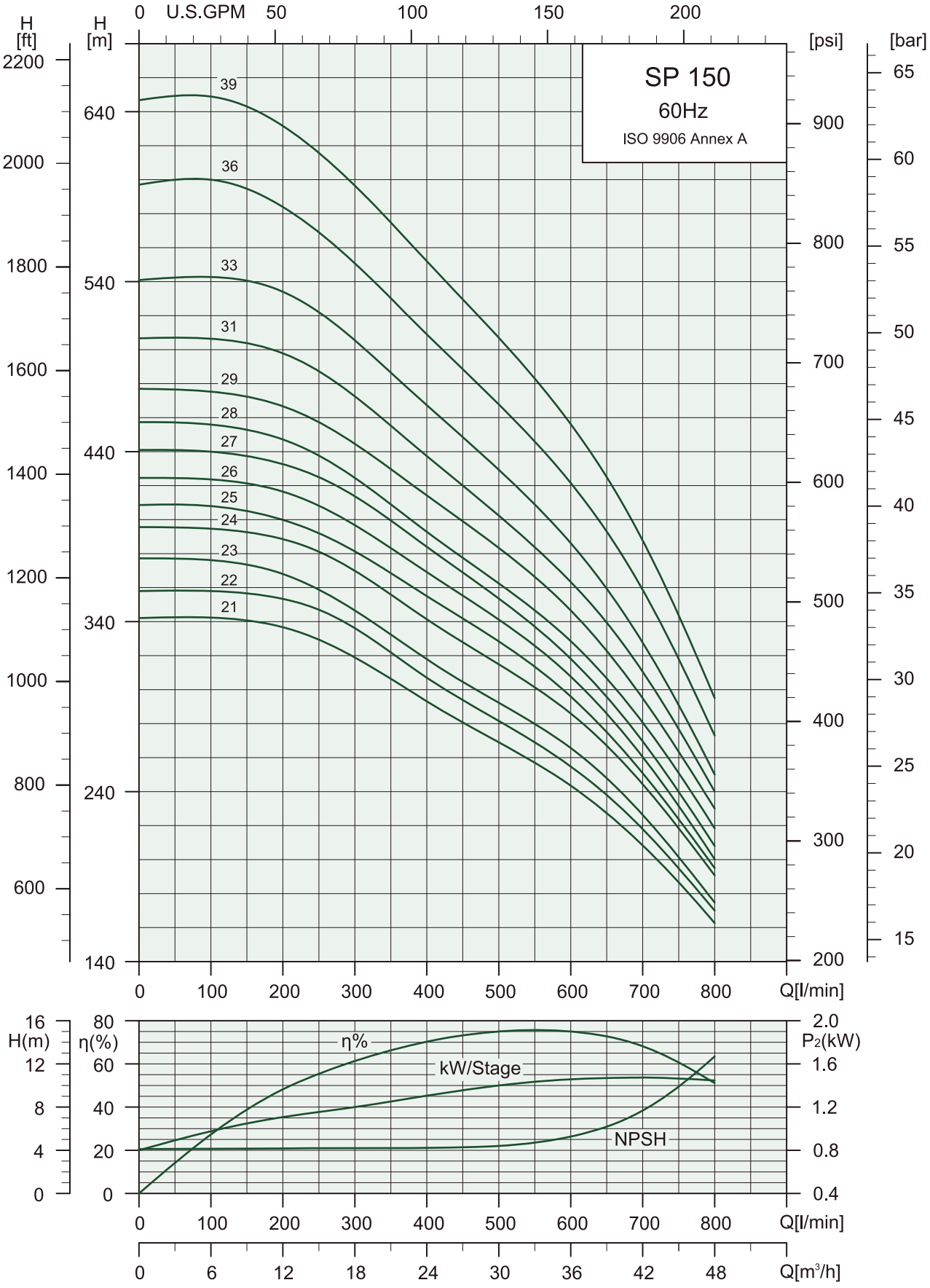
C*:Maximum diameter of pump with one motor cable.
C**:Maximum diameter of pump with two motor cable.



SP 6"

TECHNICAL DATA

PERFORMANCE CURVES



SP 6"

TECHNICAL DATA
SPECIFICATIONS

PUMP TYPE	MOTOR		Q=DELIVERY													
	P_2		l/min	200	250	300	350	400	450	500	550	600	650	700	750	800
	kW	HP	m^3/h	12	15	18	21	24	27	30	33	36	39	42	45	48
SP 150-21	30.0	40.0	H (m)	337	329	318	306	293	280	269	257	244	227	208	186	162
SP 150-22	30.0	40.0		353	347	336	322	307	294	282	269	255	238	218	195	170
SP 150-23	30.0	40.0		367	358	346	333	318	305	292	280	266	248	226	201	175
SP 150-24	37.0	50.0		388	381	370	356	342	328	315	302	286	267	244	218	190
SP 150-25	37.0	50.0		400	392	381	369	355	342	328	314	296	275	251	224	195
SP 150-26	37.0	50.0		416	408	396	383	369	356	341	326	308	286	260	231	200
SP 150-27	37.0	50.0		432	425	414	399	384	369	354	337	318	296	270	240	208
SP 150-28	37.0	50.0		447	438	424	409	393	377	363	347	328	306	280	250	218
► SP 150-29	45.0	60.0		466	457	445	429	414	399	383	367	346	322	295	263	230
► SP 150-31	45.0	60.0		497	487	472	455	437	420	403	384	363	340	310	276	240
► SP 150-33	45.0	60.0		535	522	505	486	467	449	429	409	386	360	327	290	250
► SP 150-36	55.0	75.0		584	569	551	530	509	488	468	446	422	393	359	318	273
► SP 150-39	55.0	75.0		632	616	596	575	552	530	507	483	456	425	388	344	295

*Higher pressure, longer stages pumps up to 39 stages are available on request.

►With Sleeve

DIMENSIONS AND WEIGHTS

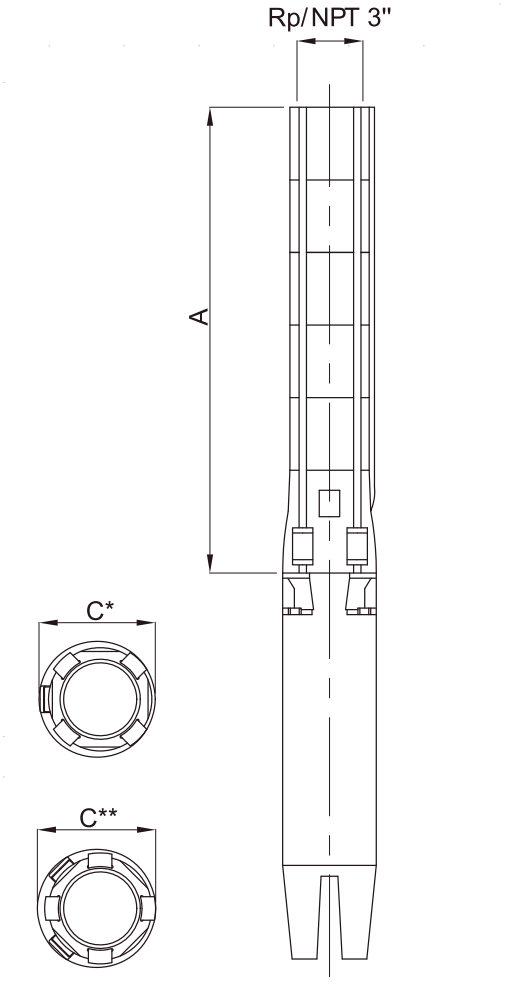
PUMP TYPE	MOTOR TYPE	DIMENSIONS (mm)			NET WEIGHT (kg)
		A	C*	C**	PUMP
SP 150-21	6"	2286	142	142	44.75
SP 150-22	6"	2382	142	142	46.50
SP 150-23	6"	2478	142	142	44.00
SP 150-24	6"	2574	142	142	45.60
SP 150-25	6"	2670	142	142	52.20
SP 150-26	6"	2766	142	142	53.90
SP 150-27	6"	2862	142	142	50.70
SP 150-28	6"	2958	142	142	52.40
► SP 150-29	6"	3431	177	181	54.10
► SP 150-31	6"	3623	177	181	57.50
► SP 150-33	6"	3815	177	181	60.90
► SP 150-36	8"	4056	192	192	66.10
► SP 150-39	8"	4344	192	192	71.10

C*:Maximum diameter of pump with one motor cable.

C**:Maximum diameter of pump with two motor cable.

SP 150-29 to SP 150-39 are mounted in sleeve for R 3 connection

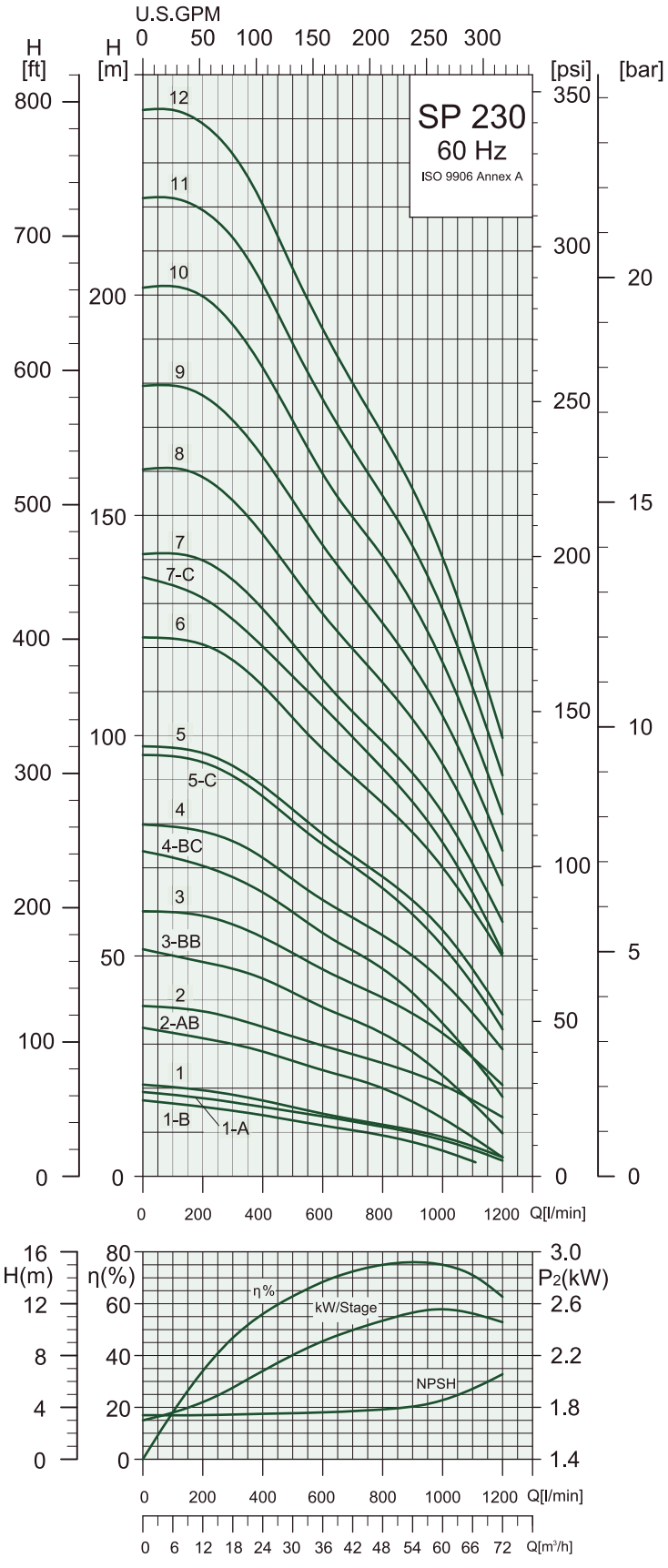
►With Sleeve

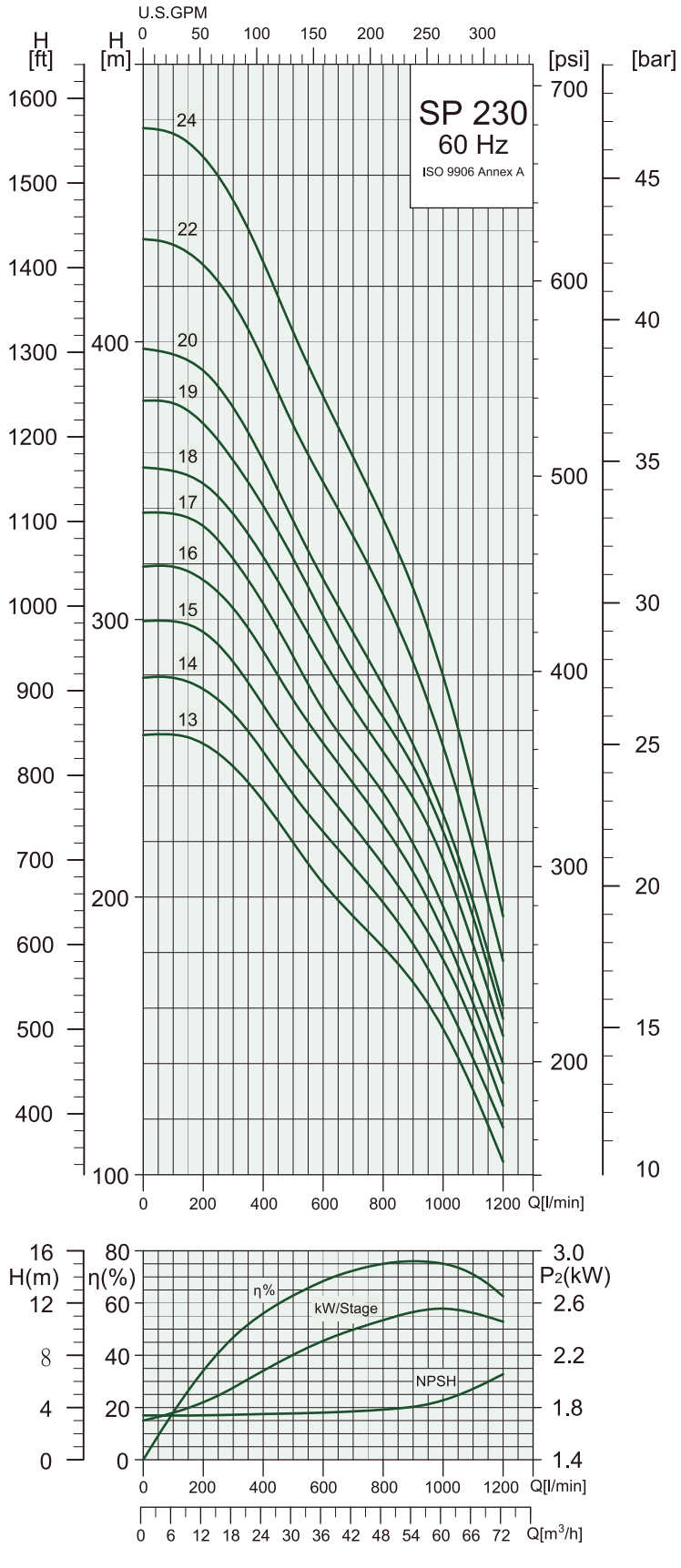


SP 6"

TECHNICAL DATA

PERFORMANCE CURVES





SP 6"

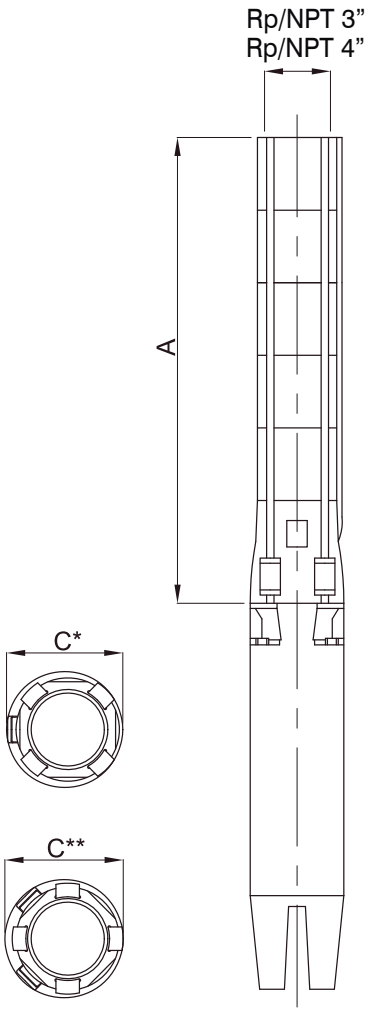
TECHNICAL DATA
SPECIFICATIONS

PUMP TYPE	MOTOR		Q=DELIVERY													
	P2		l/min	300	350	400	450	500	550	600	700	800	900	1000	1100	1200
	kW	HP	m³/h	18	21	24	27	30	33	35	42	48	54	60	66	72
SP 230-1-B	1.5	2.0		15	14.5	14	13	12.5	12	11	10	9	8	6	3	-
SP 230-1-A	2.2	3.0		17	16.5	16	15.5	15	14.5	14	13	11	10	8	6	3
SP 230-1	3.0	4.0		18	17.5	17	16.5	16	15	14	13	12	11	8	6	4
SP 230-2-AB	3.7	5.0		30	29	28	27	26	25	24	22	20	17	13	8	4
SP 230-2	5.5	7.5		36	35	34	33	32	31	29	27	26	24	21	17	13
SP 230-3-BB	5.5	7.5		47	46	45	43	42	40	38	35	32	28	23	16	10
SP 230-3	7.5	10.0		57	56	54	53	51	48	47	44	40	37	33	27	21
SP 230-4-BC	7.5	10.0		68	67	64	62	60	58	55	51	47	41	35	27	18
SP 230-4	9.3	12.5		76	74	72	70	67	65	63	58	55	50	44	37	28
SP 230-5-C	11.0	15.0		91	88	85	83	81	78	75	70	65	59	52	43	34
SP 230-5	13.0	17.5		93	91	98	86	83	81	77	73	68	63	56	47	37
SP 230-6	15.0	20.0		117	114	112	108	104	100	97	91	85	77	70	60	50
SP 230-7C	15.0	20.0		126	123	120	117	114	110	107	99	93	85	76	65	51
SP 230-7	18.5	25.0	H	136	133	128	125	121	117	113	106	98	92	83	71	57
SP 230-8	18.5	25.0	(m)	153	150	146	141	137	132	127	120	113	104	94	80	66
SP 230-9	22.0	30.0		172	167	163	158	154	148	143	135	126	116	105	90	74
SP 230-10	22.0	30.0		194	188	184	177	172	165	169	150	141	130	117	100	83
SP 230-11	26.0	35.0		213	208	202	196	189	183	176	165	155	143	128	111	91
SP 230-12	30.0	40.0		232	227	220	213	206	199	192	180	169	156	140	121	100
SP 230-13	30.0	40.0		247	242	235	227	220	213	205	193	182	168	153	130	105
SP 230-14	37.0	50.0		266	259	252	245	237	230	223	211	198	183	164	142	117
SP 230-15	37.0	50.0		285	277	269	261	254	246	239	226	212	196	177	154	125
SP 230-16	37.0	50.0		304	297	289	280	271	263	255	241	226	209	188	162	133
SP 230-17	37.0	50.0		322	315	306	296	287	277	267	252	237	219	197	170	140
SP 230-18	45.0	60.0		337	331	323	314	305	295	286	268	252	236	214	183	150
SP 230-19	45.0	60.0		357	349	341	332	322	312	301	282	265	247	224	192	156
SP 230-20	45.0	60.0		376	367	357	346	335	325	315	295	276	255	230	198	161
► SP 230-22	55.0	75.0		414	405	393	382	370	359	349	330	309	285	254	218	177
► SP 230-24	55.0	75.0		451	441	429	416	404	392	380	358	336	311	279	239	193

*Higher pressure, longer stages pumps up to 24 stages are available on request.

With Sleeve

PUMP TYPE	MOTOR TYPE	DIMENSIONS (mm)			NET WEIGHT (kg)
		A	C*	C**	PUMP
SP 230-1-B	4"	364	146	-	6.00
SP 230-1-A	4"	364	146	-	6.00
SP 230-1	4"	364	146	-	6.00
SP 230-2-AB	4"	477	146	-	7.90
SP 230-2	4"	477	146	-	7.90
SP 230-3-BB	4"	590	146	-	7.90
SP 230-3	4"	590	146	-	7.90
SP 230-3	6"	609	149	152	11.50
SP 230-4-BC	6"	722	149	152	13.70
SP 230-4	6"	722	149	152	13.70
SP 230-5-C	6"	835	149	152	16.00
SP 230-5	6"	835	149	152	16.00
SP 230-6	6"	948	149	152	18.30
SP 230-7C	6"	1061	149	152	20.60
SP 230-7	6"	1061	149	152	20.60
SP 230-8	6"	1174	149	152	25.30
SP 230-9	6"	1287	149	152	27.30
SP 230-10	6"	1400	149	152	28.40
SP 230-11	6"	1513	149	152	30.76
SP 230-12	6"	1626	149	152	32.00
SP 230-13	6"	1739	149	152	35.40
SP 230-14	6"	1852	149	152	37.76
SP 230-15	6"	1965	149	152	40.60
SP 230-16	6"	2078	149	152	42.32
SP 230-17	6"	2191	149	152	43.40
SP 230-18	6"	2304	149	152	45.70
SP 230-19	6"	2417	149	152	49.26
SP 230-20	6"	2530	149	152	51.80
► SP 230-22	8"	3085	192	192	54.80
► SP 230-24	8"	3311	192	192	59.30



C*:Maximum diameter of pump with one motor cable.

C**:Maximum diameter of pump with two motor cable.

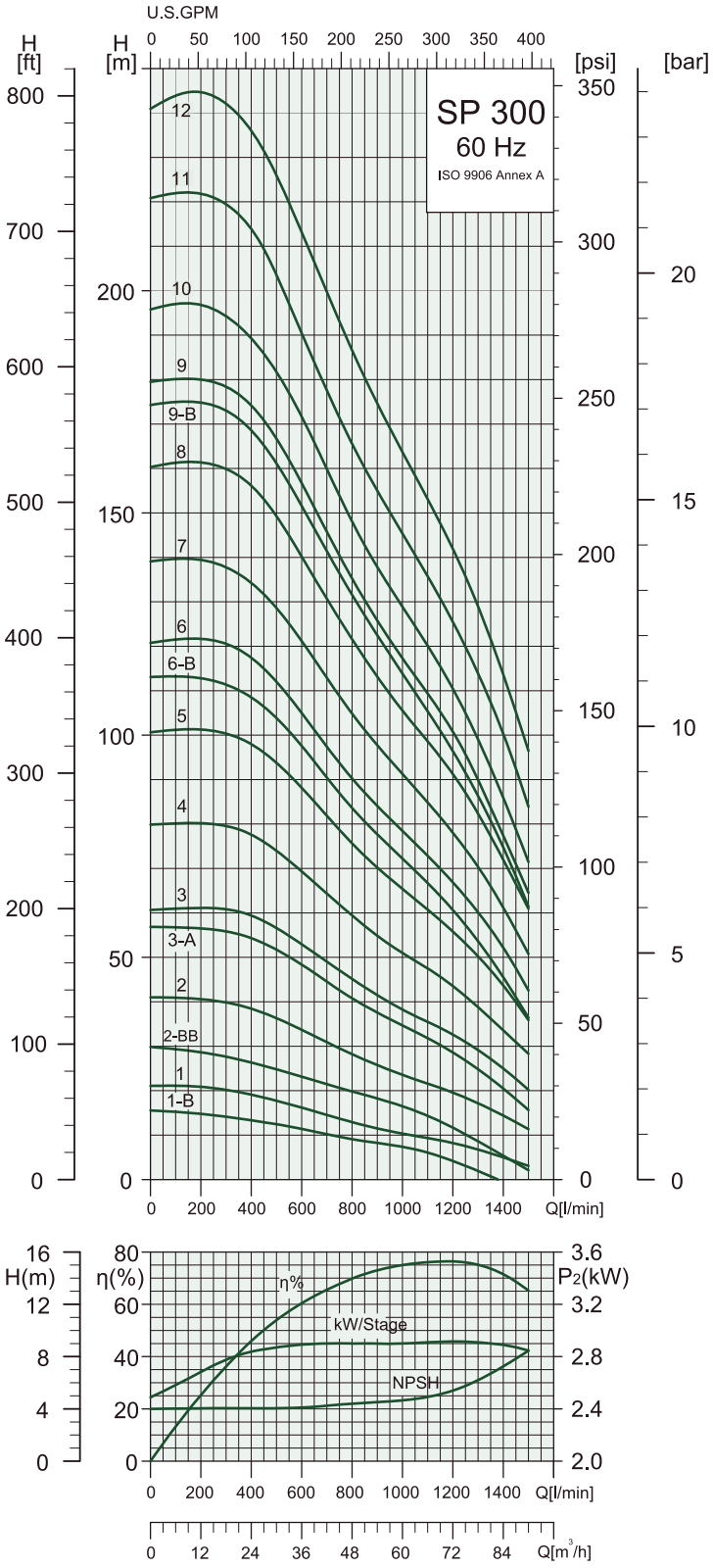
SP 230-22 to SP 230-24 are mounted in sleeve for R 4 connection

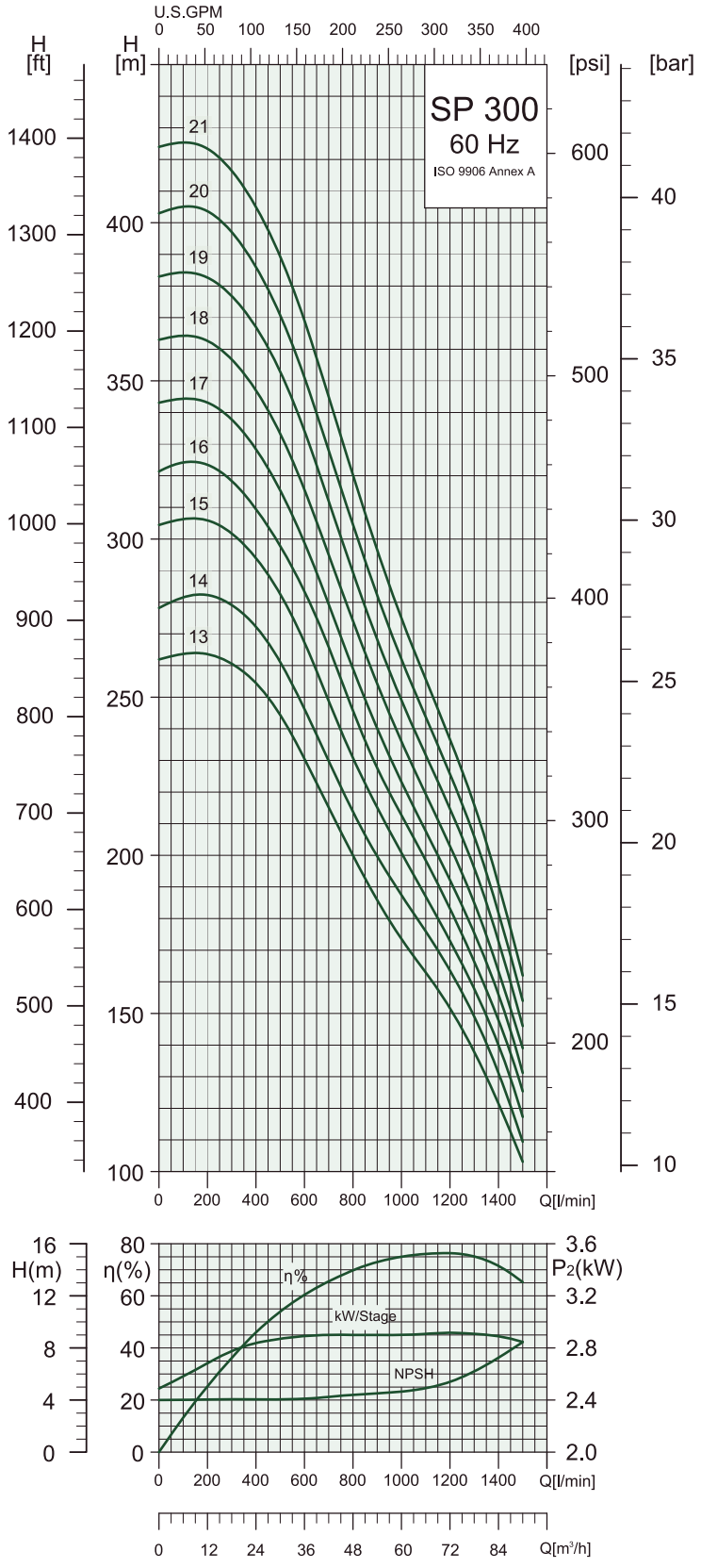
►With Sleeve

SP 6"

TECHNICAL DATA

PERFORMANCE CURVES





SP 6”

TECHNICAL DATA
SPECIFICATIONS

PUMP TYPE	MOTOR		Q=DELIVERY													
	P_2		l/min	300	350	400	450	500	550	600	700	800	900	1000	1100	1200
	kW	HP	m^3/h	18	21	24	27	30	33	35	42	48	54	60	66	72
SP 300-1-B	2.2	3.0		14	13	12	11	10	9	8	7	6	4	2	-	-
SP 300-1	3.7	5.0		19	18	17	16	14	13	11	10	9	8	7	4	3
SP 300-2-BB	3.7	5.0		26	25	24	23	22	20	18	17	14	12	8	5	2
SP 300-2	5.5	7.5		38	37	36	34	31	28	26	24	22	19	17	15	11
SP 300-3-A	7.5	10.0		54	53	52	48	44	41	38	35	32	28	25	21	16
SP 300-3	9.3	12.5		59	58	57	53	49	46	42	38	36	33	29	25	20
SP 300-4	11.0	15.0		77	76	74	69	65	59	55	51	47	44	39	34	28
SP 300-5	13.0	17.5		98	96	94	88	82	76	70	66	61	56	50	44	36
SP 300-6-B	15.0	20.0		108	106	104	97	90	84	77	72	66	60	54	46	37
SP 300-6	18.5	25.0		117	115	112	105	97	90	84	78	73	67	60	52	43
SP 300-7	18.5	25.0		134	132	129	121	113	106	98	91	85	78	70	61	51
SP 300-8	22.0	30.0		156	153	149	140	131	122	113	106	98	91	83	72	61
SP 300-9-B	22.0	30.0	H	168	165	161	152	142	132	123	114	105	86	86	75	62
SP 300-9	26.0	35.0	(m)	174	171	167	157	146	136	126	117	109	101	90	77	65
SP 300-10	26.0	35.0		189	186	182	172	160	148	138	129	120	110	99	86	72
SP 300-11	30.0	40.0		214	209	204	190	177	166	155	146	136	126	114	100	84
SP 300-12	37.0	50.0		236	232	226	213	200	187	175	164	153	142	129	114	97
SP 300-13	37.0	50.0		255	250	245	230	215	200	186	174	163	152	138	121	104
SP 300-14	37.0	50.0		272	267	261	246	230	214	200	187	176	163	149	131	109
SP 300-15	45.0	60.0		294	289	283	267	249	230	215	200	187	173	158	140	118
SP 300-16	45.0	60.0		309	304	297	283	266	246	228	212	198	183	166	148	126
SP 300-17	45.0	60.0		328	322	316	299	279	259	240	223	208	192	175	157	131
SP 300-18	55.0	75.0		347	341	333	315	295	274	254	236	219	203	185	163	139
SP 300-19	55.0	75.0		367	361	353	334	312	289	268	249	232	215	196	173	146
SP 300-20	55.0	75.0		386	378	371	351	328	305	282	262	244	226	206	182	154
SP 300-21	63.0	85.0		405	398	389	369	345	320	297	275	256	237	216	191	162

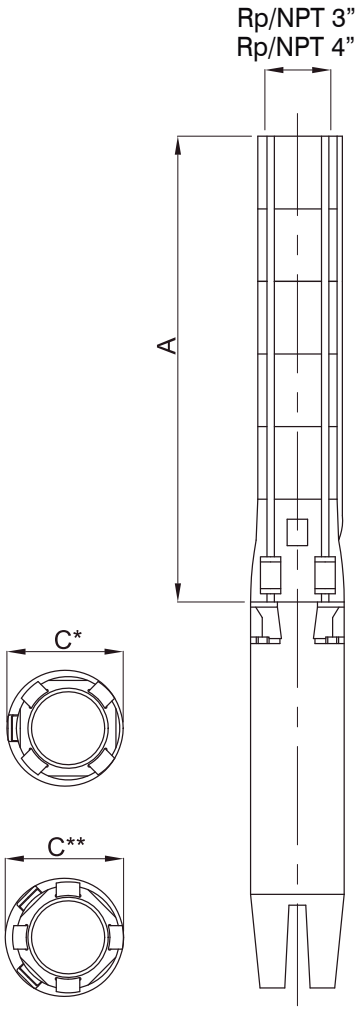
*Higher pressure, longer stages pumps up to 21 stages are available on request.

DIMENSIONS AND WEIGHTS

PUMP TYPE	MOTOR TYPE	DIMENSIONS (mm)			NET WEIGHT (kg)
		A	C*	C**	PUMP
SP 300-1-B	4”	364	146	-	6.00
SP 300-1	4”	364	146	-	6.00
SP 300-2-BB	4”	477	146	-	6.00
SP 300-2	4”	477	146	-	7.90
SP 300-3-A	6”	609	149	152	11.50
SP 300-3	6”	609	149	152	11.50
SP 300-4	6”	722	149	152	13.70
SP 300-5	6”	835	149	152	16.00
SP 300-6-B	6”	948	149	152	18.30
SP 300-6	6”	948	149	152	18.30
SP 300-7	6”	1061	149	152	20.60
SP 300-8	6”	1174	149	152	22.90
SP 300-9-B	6”	1287	149	152	25.10
SP 300-9	6”	1287	149	152	25.10
SP 300-10	6”	1400	149	152	28.40
SP 300-11	6”	1513	149	152	30.76
SP 300-12	6”	1626	149	152	32.00
SP 300-13	6”	1739	149	152	35.40
SP 300-14	6”	1852	149	152	37.76
SP 300-15	6”	1965	149	152	40.60
SP 300-16	6”	2078	149	152	42.32
SP 300-17	6”	2191	149	152	43.40
SP 300-18	8”	2332	183	183	45.70
SP 300-19	8”	2445	183	183	49.26
SP 300-20	8”	2558	183	183	51.80
SP 300-21	8”	2671	183	183	52.50

C*:Maximum diameter of pump with one motor cable.

C**:Maximum diameter of pump with two motor cable.



SP 8″

GENERAL DATA



MODEL CODE

SP 400 -2- AB

- AB — Number of small impeller
- 2 — Total number of impeller
- 400 — Rated Flow (GPM)
- SP — Model

DESCRIPTION

SP8” submersible pumps are made of corrosion and abrasion resistant stainless steel and have been developed in accordance with state-of-the-art technology.

The SP series of pumps are manufactured to the highest standards for energy efficiency, dependable performance, rugged construction and long service life for the most demanding applications.

APPLICATIONS

-Portable water supply
-Agricultural irrigation and livestock watering
-Municipal and industrial water supply
-Pressure boosting
-Mining applications
-Groundwater lowering
-Fountain

PUMPED LIQUIDS

Clean, thin, non-aggressive and non-corrosive liquids without solid particles or fibers.

OPERATION CONDITIONS

-Capacity (m^3/h) min 18 max 150.
-Total Head: Max. 440 m.
-Max. Liquids temperature: 90° C.
-Sand content: Max. 50 g/m^3.
-Motor speed: 3450 rpm.

FEATURES

-Stainless steel construction designed and built for years of trouble free operation.

-Designed and built to operate in difficult conditions.

-All metal parts are made of 304 or 316 stainless steel.

-Heavy duty stainless steel discharge head with built-in check valve for preventing back flow in connection with pump stoppage and the risk of destructive water hammer is reduced to a minimum.

-Smooth safety hook.

-NEMA standard of bracket mounting.

-High quality shaft bearing provide low friction and high wear resistance.

-The stop ring prevents damage to the pump during transport and in case of up-thrust in connection with start-up.

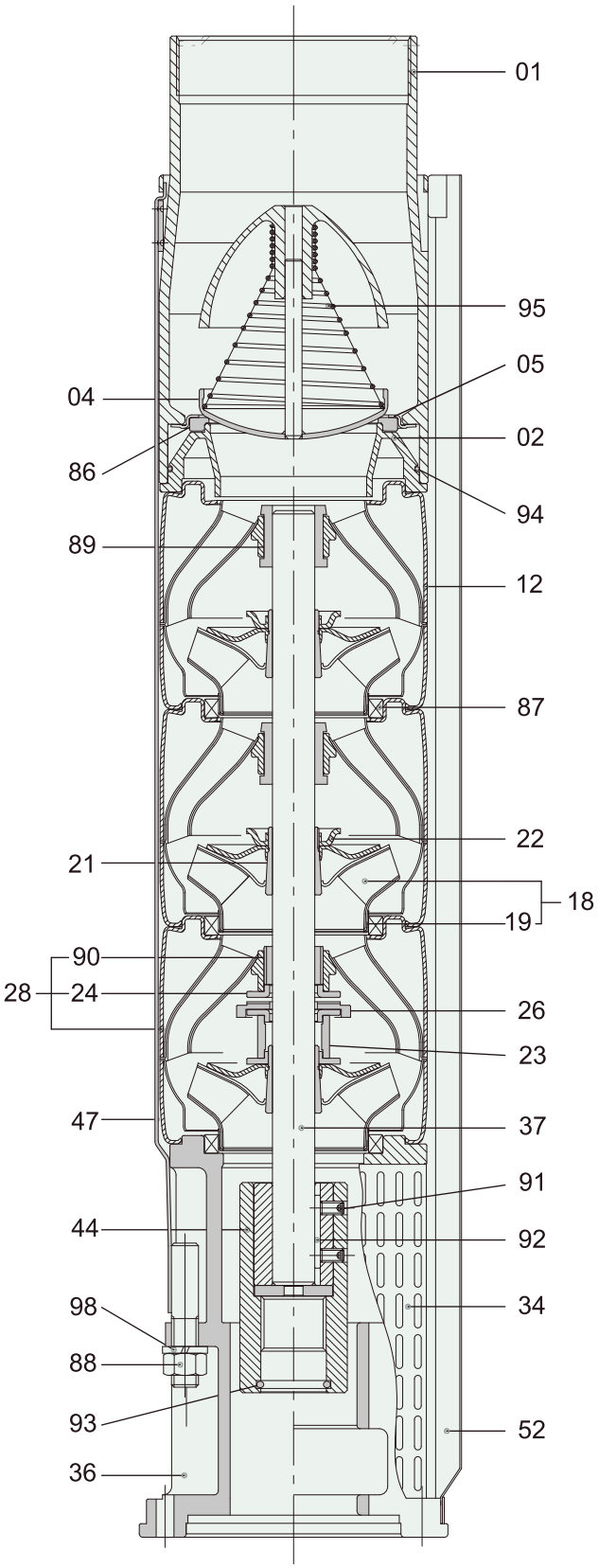
-The stop ring, which is designed as a trust bearing, limits axial movements of the pump shaft.

-Stainless steel strainer to restrict the entry of sand and other extraneous material.

SP 8″

GENERAL DATA

MATERIALS



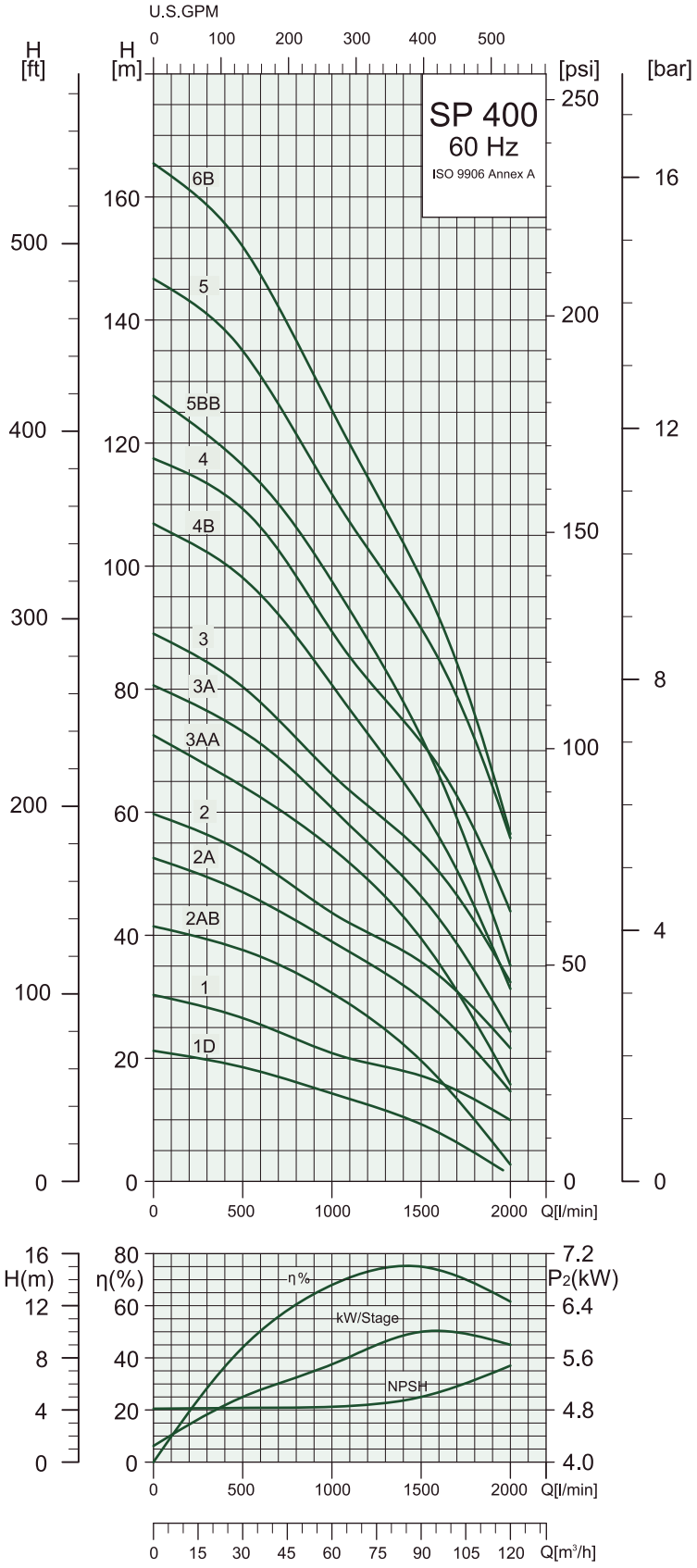
POS.	PART NAME	MATERIALS
01	Discharge	AISI304 / AISI316
02	Lower valve seat retainer	AISI304 / AISI316
04	Valve Cone	AISI304 / AISI316
05	Upper valve seat retainer	AISI304 / AISI316
12	Diffuser	AISI304 / AISI316
18	Impeller	AISI304 / AISI316
19	Ring of Impeller	AISI304 / AISI316
21	Split Cone	AISI304 / AISI316
22	Split Cone Nut	AISI304 / AISI316
23	Nut for stop ring	AISI304 / AISI316
24	Stop ring	AISI304 / AISI316
26	Spacing washer for stop ring	Carbon+Graphite+PTFE
28	Bottom diffuser	AISI304 / AISI316
34	Strainer	AISI304 / AISI316
36	Suction Interconnector	AISI304 / AISI316
37	Pump shaft	AISI434 / AISI316
44	Coupling	AISI304 / AISI316
47	Strap	AISI304 / AISI316
52	Cable guard	AISI304 / AISI316
86	Valve Seat	NBR / HNBR
87	Neck Ring	AISI304+NBR / AISI316+HNBR
88	Nut	AISI304 / AISI316
89	Bearing	NBR / HNBR
90	Bearing	AISI304+NBR / AISI316+HNBR
91	Screw	AISI304 / AISI316
92	Key	AISI304 / AISI316
93	O-ring	NBR / HNBR
94	O-ring	NBR / HNBR
95	Spring	AISI304 / AISI316
98	Spring washer	AISI304 / AISI316

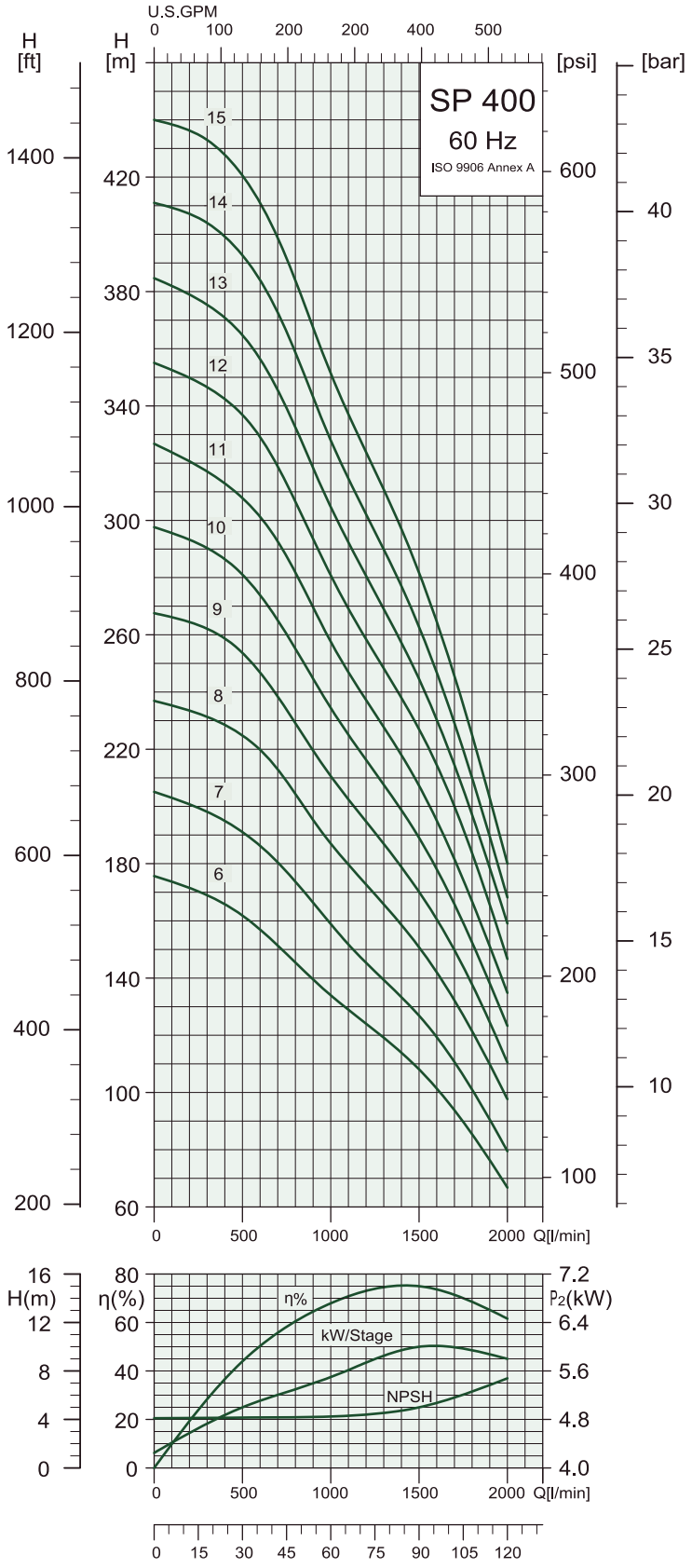
*AISI316 stainless steel pumps are available on request.

SP 8″

TECHNICAL DATA

PERFORMANCE CURVES





SP 8"

TECHNICAL DATA

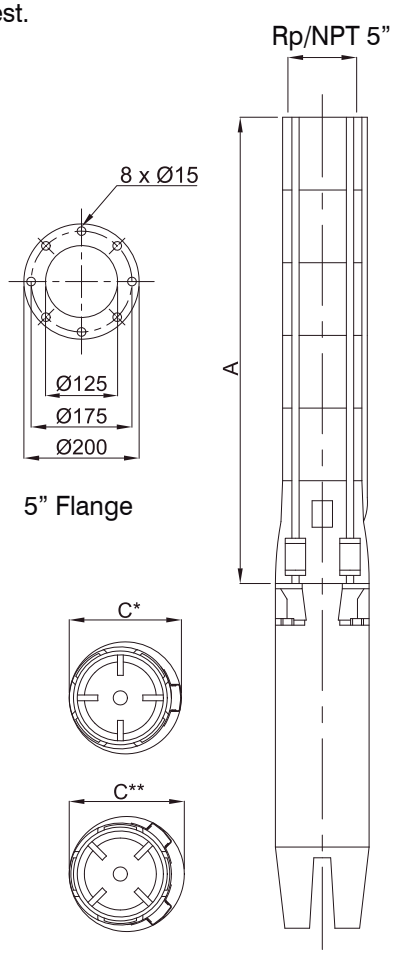
SPECIFICATIONS

PUMP TYPE	MOTOR		Q=DELIVERY											
	P_2		l/min	300	400	500	600	700	800	1000	1200	1400	1600	1800	2000
	kW	HP	m^3/h	18	24	30	36	42	48	60	72	84	96	108	120
SP 400-1D	3.7	5.0		20	19	18.5	18	17	16	14	12	10	8	5	
SP 400-1D	5.5	7.5		28	27	26	25	24	23	21	19	18	16	13	10
SP 400-2-AB	7.5	10.0		39	38	37	36	35	34	31	27	22	17	10	3
SP 400-2-A	9.3	12.5		49	48	47	46	44	42	39	36	32	27	21	15
SP 400-2	11.0	15.0		56	55	54	52	50	47	44	40	37	33	28	22
SP 400-3-AA	13.0	17.5		68	66	64	62	60	58	54	49	43	35	26	16
SP 400-3-A	15.0	20.0		76	75	73	71	36	66	61	55	50	43	34	25
SP 400-3	18.5	25.0		84	83	80	78	75	72	66	61	56	50	42	33
SP 400-4-B	18.5	25.0		102	100	98	95	92	88	80	73	65	56	45	32
SP 400-4	22.0	30.0		113	112	109	106	103	98	89	82	75	68	57	44
SP 400-5-BB	22.0	30.0		122	119	116	114	110	106	97	88	78	66	51	35
SP 400-5	26.0	35.0	H (m)	141	138	135	131	126	121	112	103	95	85	72	56
SP 400-6-B	30.0	40.0		158	156	152	147	142	136	125	115	104	92	76	57
SP 400-6	37.0	50.0		169	166	162	157	151	146	134	124	114	101	86	67
SP 400-7	37.0	50.0		198	195	191	186	180	174	159	146	133	120	101	80
SP 400-8	45.0	60.0		231	228	225	220	213	204	187	172	159	141	121	98
SP 400-9	55.0	75.0		262	259	254	247	238	229	210	195	179	160	138	110
SP 400-10	55.0	75.0		290	287	281	274	265	255	235	217	199	178	152	123
SP 400-11	63.0	85.0		317	313	308	301	293	282	258	237	218	196	168	135
SP 400-12	63.0	85.0		347	342	337	330	319	307	280	259	23	215	183	147
SP 400-13	75.0	100.0		375	370	365	357	346	332	305	280	258	230	198	160
SP 400-14	92.0	125.0		404	399	393	384	373	359	328	302	277	247	210	168
SP 400-15	92.0	125.0		433	428	421	411	399	384	351	324	297	264	225	180

*Higher pressure, longer stages pumps up to 15 stages are available on request.

DIMENSIONS AND WEIGHTS

PUMP TYPE	MOTOR TYPE	DIMENSIONS (mm)						NET WEIGHT (kg)
		Rp/NPT 5" Connection			5" Flange			
		A	C*	C**	A	C*	C**	PUMP
SP 400-1D	6"	618	178	186	618	200	200	25.10
SP 400-1D	6"	618	178	186	618	200	200	25.10
SP 400-2-AB	6"	746	178	186	746	200	200	28.30
SP 400-2-A	6"	746	178	186	746	200	200	28.30
SP 400-2	6"	746	178	186	746	200	200	27.74
SP 400-3-AA	6"	874	178	186	874	200	200	31.82
SP 400-3-A	6"	874	178	186	874	200	200	31.82
SP 400-3	6"	874	178	186	874	200	200	31.82
SP 400-4-B	6"	1003	178	186	1003	200	200	35.45
SP 400-4	6"	1003	178	186	1003	200	200	35.45
SP 400-5-BB	6"	1131	178	186	1131	200	200	39.64
SP 400-5	6"	1131	178	186	1131	200	200	39.64
SP 400-6-B	6"	1259	178	186	1259	200	200	42.90
SP 400-6	6"	1259	178	186	1259	200	200	42.90
SP 400-7	6"	1387	178	186	1387	200	200	46.60
SP 400-8	8"	1527	200	204	1527	205	205	50.40
SP 400-9	8"	655	200	204	655	205	205	54.00
SP 400-10	8"	1783	200	204	1783	205	205	61.51
SP 400-11	8"	1911	200	204	1911	205	205	61.00
SP 400-12	8"	2039	200	204	2039	205	205	64.74
SP 400-13	8"	2168	200	204	2168	205	205	69.60
SP 400-14	8"	2296	200	204	–	–	–	73.20
SP 400-15	8"	2424	200	204	–	–	–	76.80

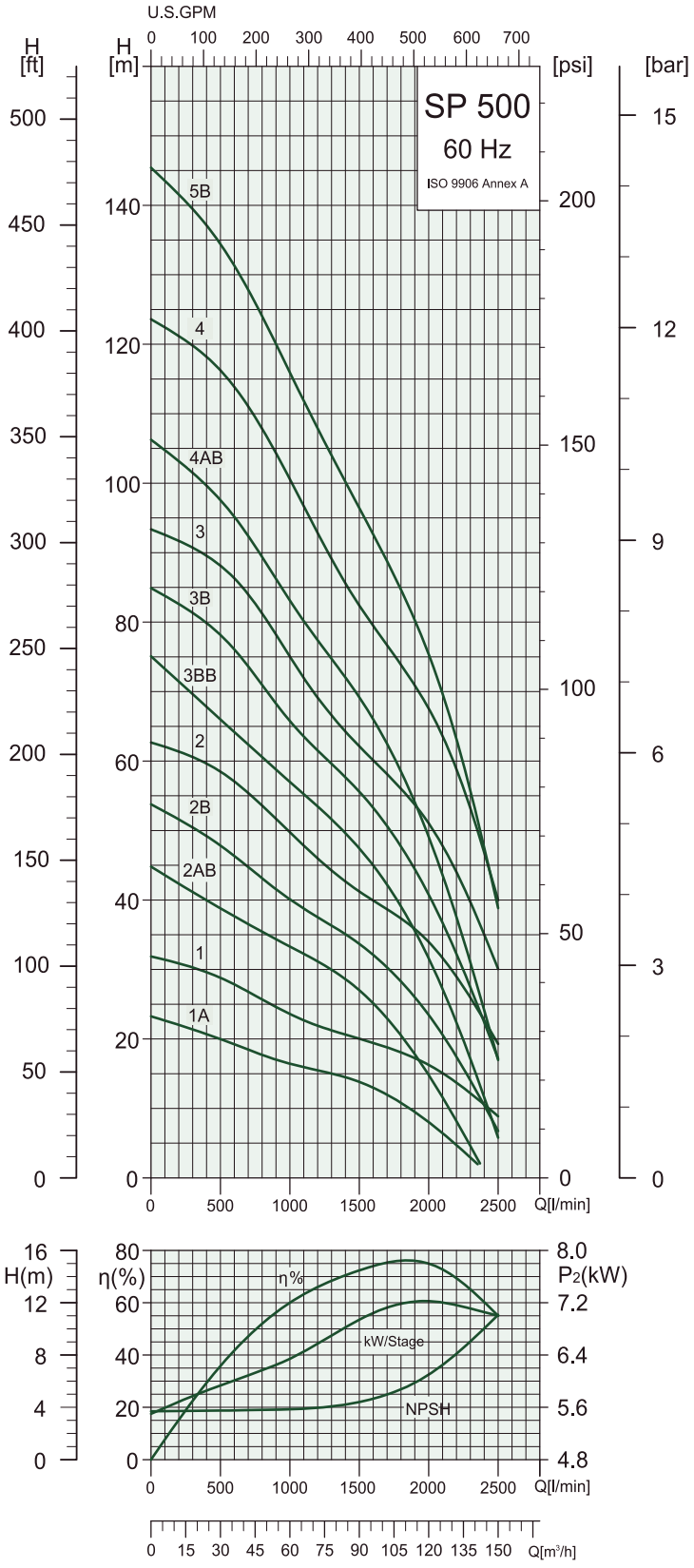


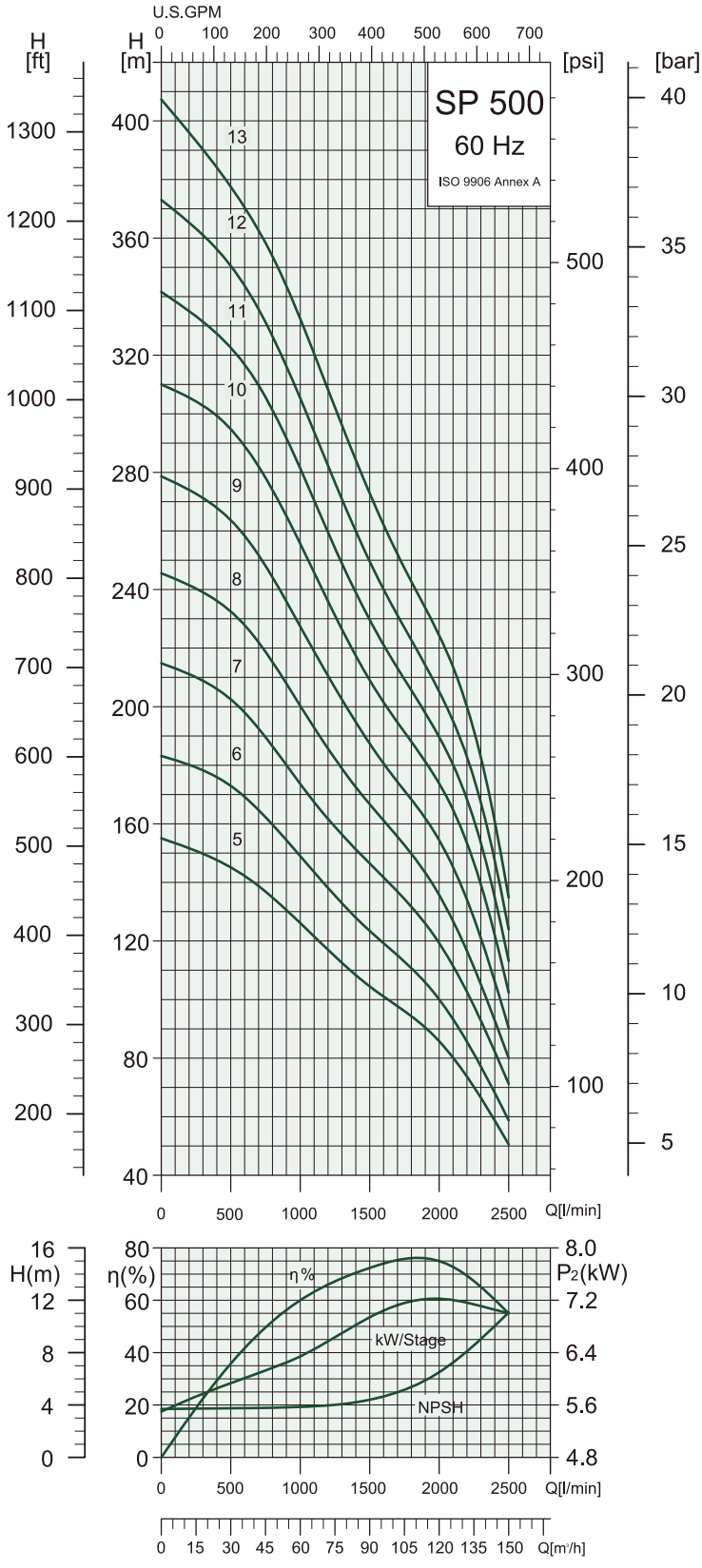
c*:Maximum diameter of pump with one motor cable
c**:Maximum diameter of pump with two motor cable

SP 8″

TECHNICAL DATA

PERFORMANCE CURVES





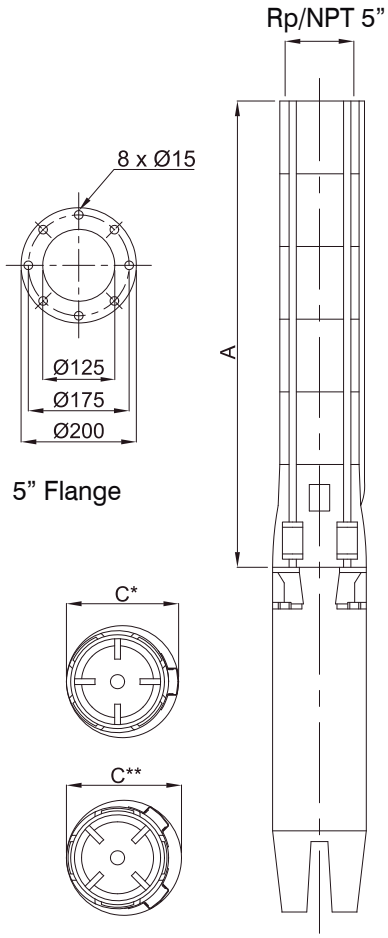
SP 8″

TECHNICAL DATA
SPECIFICATIONS

PUMP TYPE	MOTOR		Q=DELIVERY												
	P_2		l/min	300	500	700	900	1100	1300	1500	1700	1900	2100	2300	2500
	kW	HP	m^3/h	18	30	42	54	66	78	90	102	114	126	138	150
SP 500-1A	5.5	7.5		21	20	18	17	16	15	14	12	9	6	3	
SP 500-A	7.5	10.0		30	29	26	25	23	21	20	19	17	15	12	9
SP 500-2AB	9.3	12.5		41	39	36	34	32	30	27	23	18	12	5	
SP 500-2B	11	15.0		50	48	45	42	39	36	34	30	26	20	14	7
SP 500-2	13	17.5		60	58	55	51	48	44	41	38	36	32	26	19
SP 500-3BB	15	20.0		70	66	62	59	55	51	47	42	35	27	17	6
SP 500-3B	18.5	25.0		81	78	74	68	64	60	55	51	45	37	27	17
SP 500-3	22.0	30.0		91	88	84	78	72	66	62	58	54	48	40	30
SP 500-4AB	22.0	30.0		102	97	92	86	80	75	69	63	54	44	31	17
SP 500-4	26.0	35.0	H (m)	120	116	111	105	97	89	82	77	71	64	53	40
SP 500-5B	30.0	40.0		140	135	128	120	112	104	96	89	80	70	55	39
SP 500-5	37.0	50.0		150	145	139	130	121	112	105	98	90	80	67	50
SP 500-6	37.0	50.0		178	172	165	154	143	132	123	115	106	93	77	59
SP 500-7	45.0	60.0		209	202	192	180	167	156	147	137	126	111	92	71
SP 500-8	55.0	75.0		239	232	221	208	192	179	167	156	143	127	105	80
SP 500-9	63.0	85.0		271	263	251	236	220	201	188	174	161	145	120	90
SP 500-10	63.0	85.0		302	295	281	265	246	227	210	194	180	165	140	103
SP 500-11	75.0	100.0		331	322	310	291	270	250	230	213	198	180	153	114
SP 500-12	93.0	125.0		360	350	336	316	294	270	250	231	214	195	168	124
SP 500-13	93.0	125.0		390	378	362	344	320	296	272	252	233	213	182	136

PUMP TYPE	MOTOR TYPE	DIMENSIONS (mm)						NET WEIGHT (kg)
		Rp/NPT 5” Connection			5” Flange			
		A	C*	C**	A	C*	C**	PUMP
SP 500-1A	6”	618	179	183	618	200	202	25.10
SP 500-A	6”	618	179	183	618	200	202	25.10
SP 500-2AB	6”	746	179	183	746	200	200	28.30
SP 500-2B	6”	746	179	183	746	200	200	27.74
SP 500-2	6”	746	179	183	746	200	200	27.74
SP 500-3BB	6”	874	179	183	874	200	200	31.82
SP 500-3B	6”	874	179	183	874	200	200	31.82
SP 500-3	6”	874	179	183	874	200	200	31.82
SP 500-4AB	6”	1003	179	183	1003	200	200	35.45
SP 500-4	6”	1003	179	183	1003	200	200	35.45
SP 500-5B	6”	1131	179	183	1131	200	200	39.64
SP 500-5	6”	1131	179	183	1131	200	200	39.64
SP 500-6	6”	1259	179	183	1259	200	200	42.90
SP 500-7	8”	1398	205	205	1398	200	202	46.60
SP 500-8	8”	1527	205	205	1527	200	202	50.40
SP 500-9	8”	1655	205	205	1655	200	202	54.00
SP 500-10	8”	1783	205	205	1783	200	202	61.51
SP 500-11	8”	1911	205	205	1911	–	–	61.00
SP 500-12	8”	2039	205	205	2039	–	–	64.74
SP 500-13	8”	2168	205	205	2168	–	–	69.60

c*:Maximum diameter of pump with one motor cable
c**:Maximum diameter of pump with two motor cable



SP 10"

GENERAL DATA



MODEL CODE

SP 650 -2- AA

- AA — Number of small impeller
- 2 — Total number of impeller
- 650 — Rated Flow (GPM)
- SP — Model

DESCRIPTION

SP10" submersible pumps are made of corrosion and abrasion resistant stainless steel and have been developed in accordance with state-of-the-art technology.

The SP series of pumps are manufactured to the highest standards for energy efficiency, dependable performance, rugged construction and long service life for the most demanding applications.

APPLICATIONS

-Portable water supply
-Agricultural irrigation and livestock watering
-Municipal and industrial water supply
-Pressure boosting
-Mining applications
-Groundwater lowering
-Fountain

PUMPED LIQUIDS

Clean, thin, non-aggressive and non-corrosive liquids without solid particles or fibers.

OPERATION CONDITIONS

-Capacity (m^3/h) min 20 max 335.
-Total Head: Max. 471 m.
-Max. Liquids temperature: 90° C.
-Sand content: Max. 50 g/m^3.
-Motor speed: 3450 rpm.

FEATURES

-Stainless steel construction designed and built for years of trouble free operation.

-Designed and built to operate in difficult conditions.

-All metal parts are made of 304 or 316 stainless steel.

-Heavy duty stainless steel discharge head with built-in check valve for preventing back flow in connection with pump stoppage and the risk of destructive water hammer is reduced to a minimum.

-Smooth safety hook.

-NEMA standard of bracket mounting.

-High quality shaft bearing provide low friction and high wear resistance.

-The stop ring prevents damage to the pump during transport and in case of up-thrust in connection with start-up.

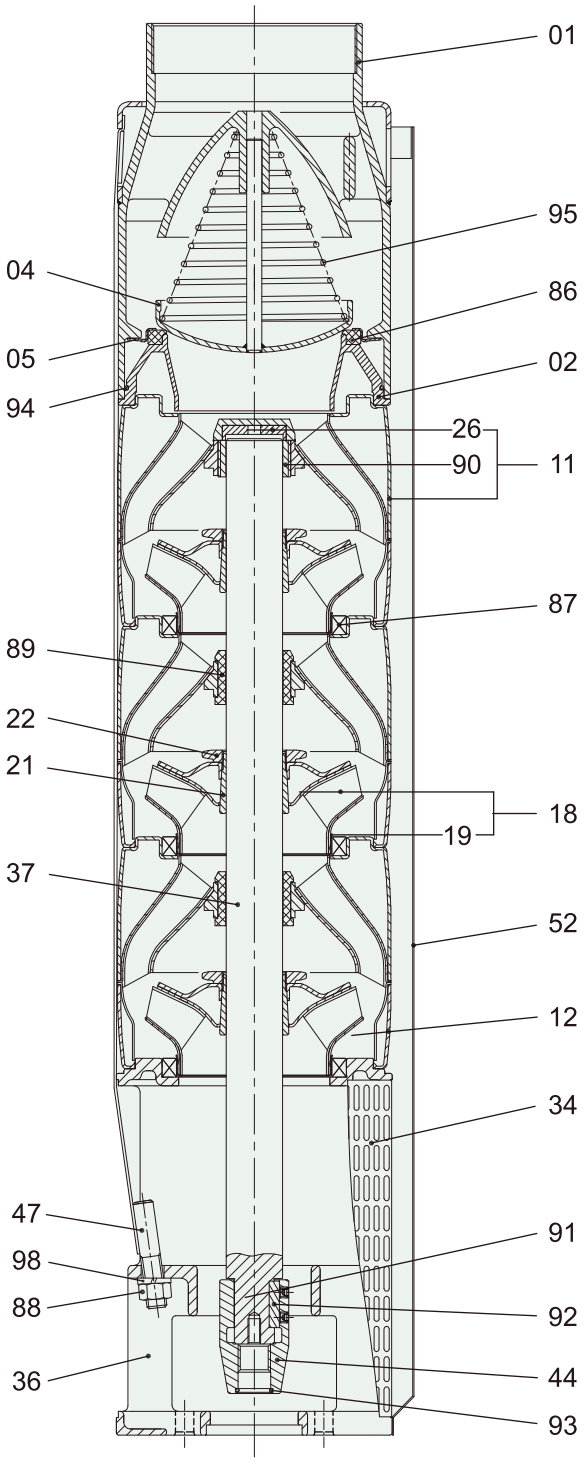
-The stop ring, which is designed as a trust bearing, limits axial movements of the pump shaft.

-Stainless steel strainer to restrict the entry of sand and other extraneous material.

SP 10”

GENERAL DATA

MATERIALS



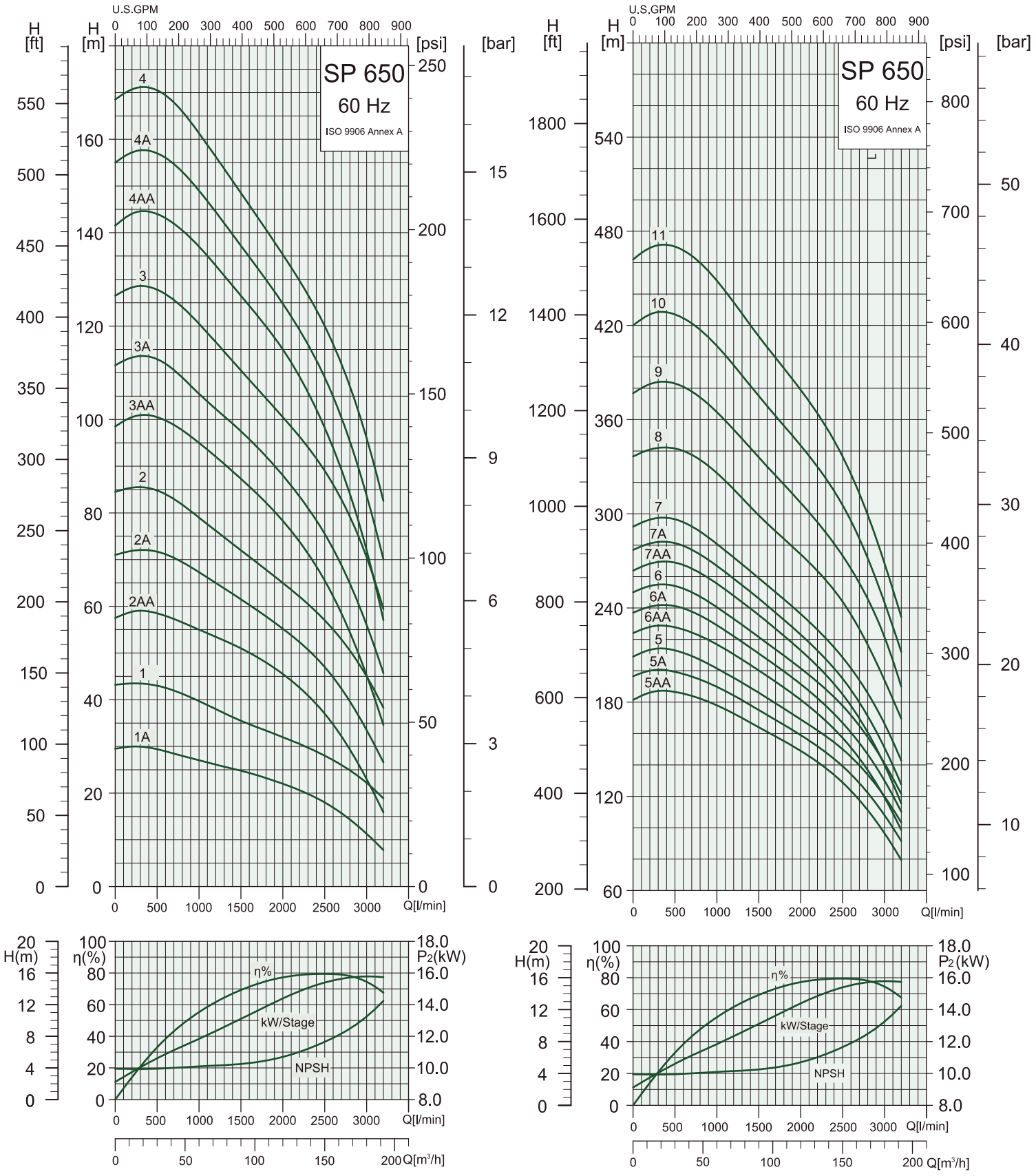
POS.	PART NAME	MATERIALS
01	Discharge	AISI304 / AISI316
02	Lower valve seat retainer	AISI304 / AISI316
04	Valve Cup	AISI304 / AISI316
05	Upper valve seat retainer	AISI304 / AISI316
11	Upper diffuser	AISI304 / AISI316
+26	Spacing washer for stop ring	Carbon fiber+MoS2+PTFE
+90	Upper bearing	AISI304+NBR / AISI316+HNBR
12	Diffuser	AISI304 / AISI316
18	Impeller	AISI304 / AISI316
18	Impeller-A	AISI304 / AISI316
+19	Ring of Impeller	AISI304 / AISI316
21	Split Cone	AISI304 / AISI316
22	Split Cone Nut	AISI304 / AISI316
34	Strainer-one lead	AISI304 / AISI316
34	Strainer-two lead	AISI304 / AISI316
36	Suction Interconnector-6”	AISI304 / AISI316
36	Suction Interconnector-8”	AISI304 / AISI316
37	Shaft	AISI431 / AISI316
44	Coupling-6”	AISI304 / AISI316
44	Coupling-8”	AISI304 / AISI316
47	Strap	AISI304 / AISI316
52	Cable guard	AISI304 / AISI316
86	Valve Seat	NBR70 / HNBR70
87	Neck Ring	PPS+NBR/HNBR
88	Nut	AISI304 / AISI316
89	Bearing	NBR / HNBR70
91	Screw-6”	AISI304 / AISI316
91	Screw-8”	AISI304 / AISI316
92	Key-6”	AISI304 / AISI316
92	Key-8”	AISI304 / AISI316
93	O-ring-6”	NBR70 / HNBR70
93	O-ring-8”	NBR70 / HNBR70
94	O-ring	NBR70 / HNBR70
95	Spring	AISI304 / AISI316
98	Spring washer	AISI304 / AISI316

*AISI 316 stainless steel pumps are available on request.

SP 10"

TECHNICAL DATA

PERFORMANCE CURVES



SP 10”

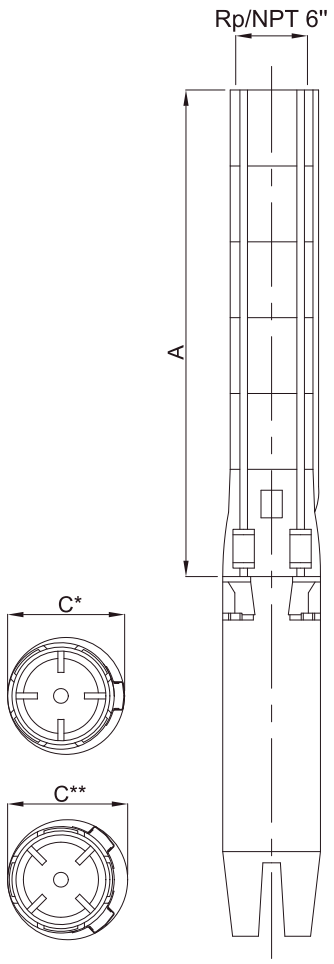
TECHNICAL DATA

SPECIFICATIONS

PUMP TYPE	MOTOR		Q=DELIVERY											
	P_2		l/min	800	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000
	kW	HP	m^3/h	48	60	72	84	96	108	120	132	144	158	168	180
SP 650-1-A	11.0	15.0		28	27	26	25	24	23	22	21	19	17	14	11
SP 650-1	18.5	25.5		41	40	38	46	35	34	32	31	29	27	25	22
SP 650-2-AA	22.0	30.0		57	55	58	52	50	48	46	43	39	35	29	23
SP 650-2-A	26.0	35.0		69	67	65	63	60	58	55	53	49	45	40	34
SP 650-2	30.0	40.0		82	79	76	73	71	68	65	63	59	55	51	45
SP 650-3-AA	37.0	50.0		98	95	92	89	86	82	78	74	69	62	55	45
SP 650-3-A	37.0	50.0		109	107	103	99	96	92	88	83	78	72	65	56
SP 650-3	45.0	60.0		124	121	117	113	108	105	101	96	92	86	79	71
SP 650-4-AA	55.0	75.0		141	137	133	139	124	120	115	109	102	94	84	72
SP 650-4-A	55.0	75.0		153	149	144	140	135	130	125	119	113	105	95	84
SP 650-4	63.0	85.0		166	161	151	151	146	141	135	130	123	116	107	96
SP 650-5-AA	75.0	100.0	H	182	178	173	167	161	155	149	142	133	123	111	97
SP 650-5-A	75.0	100.0	(m)	195	190	185	178	171	165	159	152	143	135	122	108
SP 650-5	75.0	100.0		207	202	196	190	183	176	169	162	155	145	134	120
SP 650-6-AA	75.0	100.0		223	217	210	204	196	190	182	173	163	151	137	119
SP 650-6-A	93.0	125.0		235	229	222	215	208	200	192	183	173	160	147	130
SP 650-6	93.0	125.0		247	241	233	225	218	210	202	193	183	171	157	141
SP 650-7-AA	93.0	125.0		262	256	248	240	231	222	213	203	192	177	161	140
SP 650-7-A	93.0	125.0		274	267	258	250	241	233	223	213	201	188	171	151
SP 650-7	110.0	150.0		288	281	273	263	255	246	236	226	215	201	185	166
SP 650-8	132.0	175.0		334	326	315	305	294	284	274	263	251	236	217	194
SP 650-9	132.0	175.0		374	365	354	342	330	318	307	295	281	265	245	222
SP 650-10	147.0	200.0		417	407	395	381	369	356	344	330	315	295	272	244
SP 650-11	170.0	230.0		460	449	435	420	406	393	379	364	346	325	299	269

DIMENSIONS AND WEIGHTS

PUMP TYPE	MOTOR TYPE	DIMENSIONS (mm)			NET WEIGHT (kg)
		A	C*	C**	PUMP
SP 650-1-A	6”	652	211	215	29.26
SP 650-1	6”	652	211	215	29.26
SP 650-2-AA	6”	807	211	215	38.78
SP 650-2-A	6”	807	211	215	38.78
SP 650-2	6”	807	211	215	35.76
SP 650-2	8”	807	213	215	35.76
SP 650-3-AA	6”	963	211	215	44.26
SP 650-3-AA	8”	963	213	215	44.26
SP 650-3-A	6”	963	211	215	42.26
SP 650-3-A	8”	963	213	219	42.26
SP 650-3	6”	963	211	215	42.26
SP 650-3	8”	963	213	219	42.26
SP 650-4-AA	8”	1118	213	219	50.42
SP 650-4-A	8”	1118	213	219	48.76
SP 650-4	8”	1118	213	219	48.76
SP 650-5-AA	8”	1274	213	219	57.84
SP 650-5-A	8”	1274	213	219	57.84
SP 650-5	8”	1274	213	219	57.84
SP 650-6-AA	8”	1429	213	219	64.50
SP 650-6-A	8”	1429	213	219	64.50
SP 650-6	8”	1429	213	219	64.50
SP 650-7-AA	8”	1585	213	219	70.62
SP 650-7-A	8”	1585	213	219	70.62
SP 650-7	8”	1585	213	219	70.62
SP 650-8	10”	1870	227	247	74.76
SP 650-9	10”	2026	227	247	81.26
SP 650-10	10”	2181	227	247	87.76
SP 650-11	10”	2337	227	247	94.26

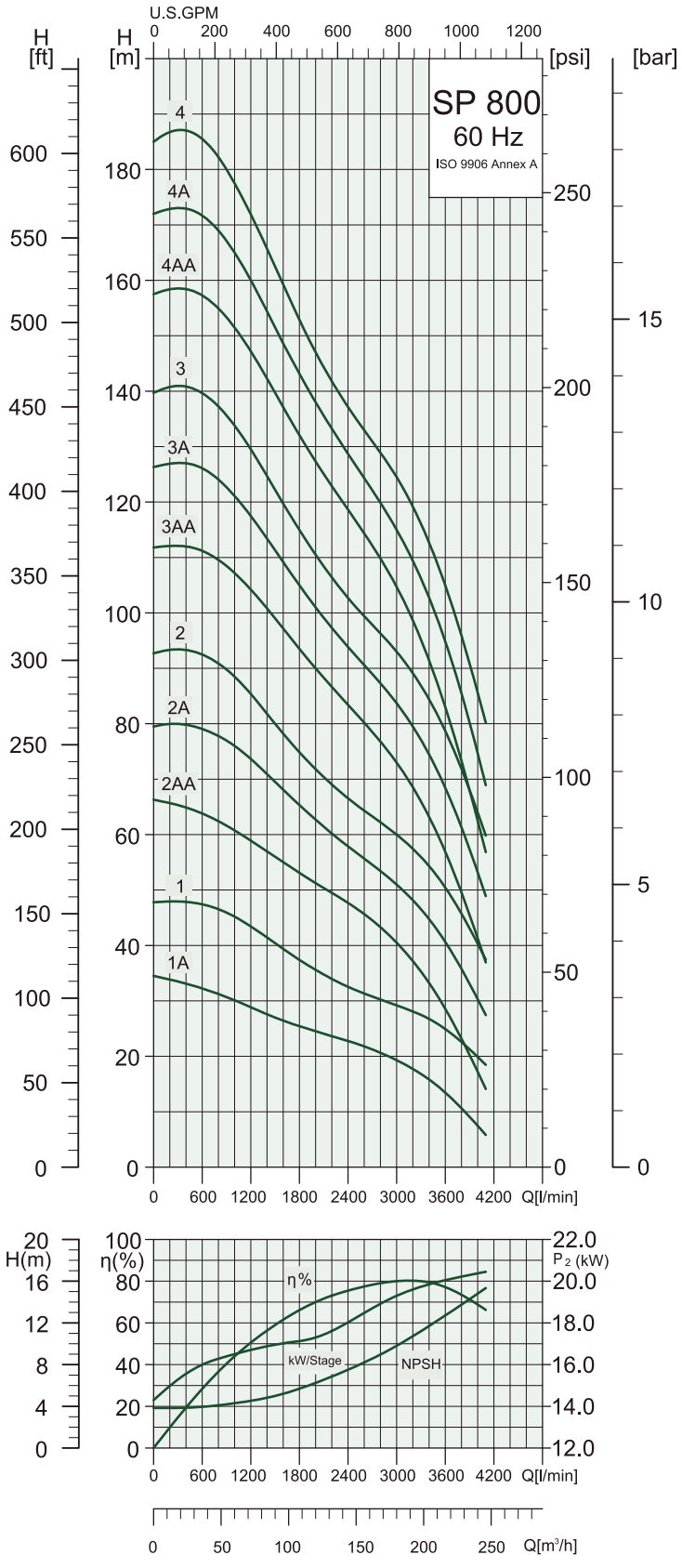


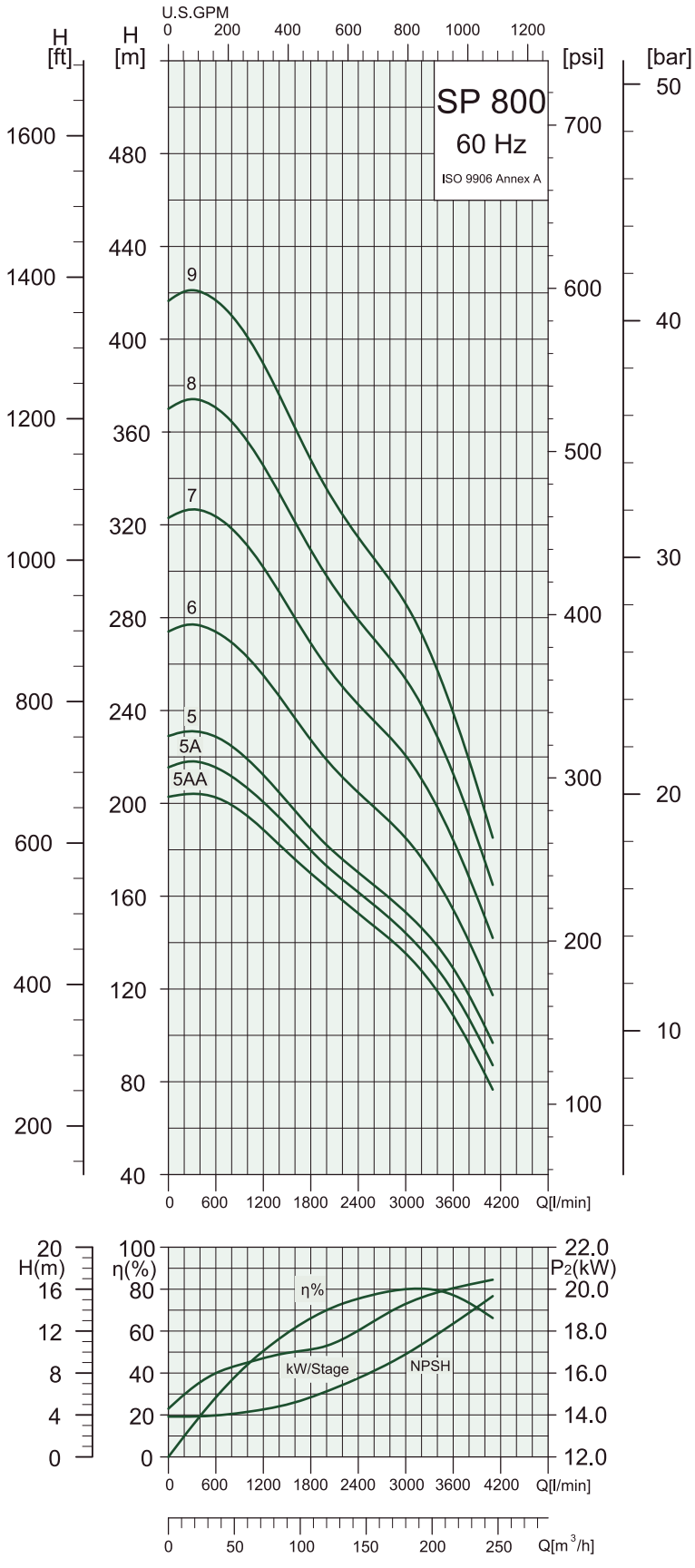
C*:Maximum diameter of pump with one motor cable.
C**:Maximum diameter of pump with two motor cable.

SP 10"

TECHNICAL DATA

PERFORMANCE CURVES





SP 10"

TECHNICAL DATA
SPECIFICATIONS

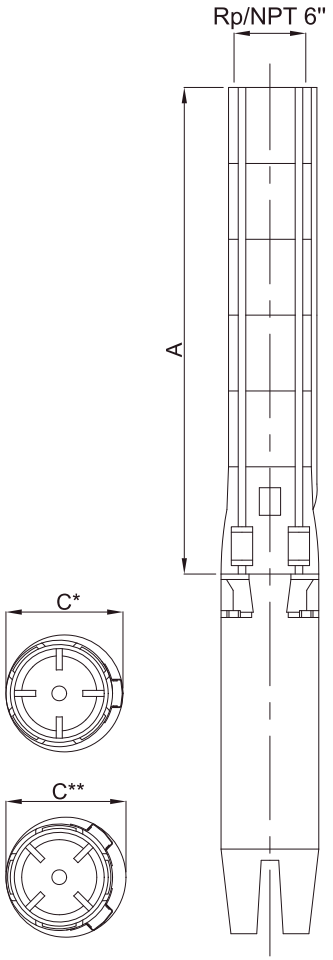
PUMP TYPE	MOTOR		Q=DELIVERY											
	P_2		l/min	600	900	1200	1500	1800	2100	2400	2700	3000	3300	3600	3900
	kW	HP	m^3/h	36	54	72	90	108	126	144	162	180	198	216	234
SP 800-1-A	15	20		32	31	29	27	26	24	23	21	19	17	13	9
SP 800-1	22	30		47	46	44	40	37	35	33	31	29	28	25	21
SP 800-2-AA	26	35		64	62	59	56	53	50	48	45	41	35	28	20
SP 800-2-A	37	50		79	77	74	70	65	62	58	55	51	47	41	33
SP 800-2	37	50		93	90	85	80	75	70	67	63	60	56	50	43
SP 800-3-AA	45	60		111	108	104	99	93	88	83	78	73	66	57	46
SP 800-3-A	55	75		126	122	118	111	105	99	94	89	84	77	68	57
SP 800-3	55	75		140	136	130	123	115	108	103	98	93	87	79	68
SP 800-4-AA	63	85	H	157	157	147	140	132	125	119	112	105	96	83	68
SP 800-4-A	75	100	(m)	172	167	160	152	143	136	129	122	115	107	95	80
SP 800-4	75	100		186	180	172	163	153	145	138	131	125	117	105	91
SP 800-5-AA	93	125		202	197	188	179	170	161	153	144	135	124	108	90
SP 800-5-A	93	125		216	209	201	191	180	170	162	153	144	133	119	101
SP 800-5	93	125		228	222	212	201	189	178	170	162	153	143	129	111
SP 800-6	110	150		274	267	255	242	227	215	205	195	185	172	154	133
SP 800-7	132	175		323	315	302	286	269	255	242	232	221	205	184	160
SP 800-8	147	200		370	361	346	328	309	293	279	267	254	235	213	185
SP 800-9	170	230		417	406	389	369	348	330	314	331	286	266	239	208

DIMENSIONS AND WEIGHTS

PUMP TYPE	MOTOR TYPE	DIMENSIONS (mm)			NET WEIGHT (kg)
		A	C*	C**	PUMP
SP 800-1-A	6"	652	211	215	31.72
SP 800-1	6"	652	211	215	31.72
SP 800-2-AA	6"	807	211	215	37.90
SP 800-2-A	6"	807	211	215	37.90
SP 800-2	6"	807	211	215	37.90
SP 800-3-AA	8"	963	213	219	44.20
SP 800-3-A	8"	963	213	219	44.20
SP 800-3	8"	963	213	219	44.18
SP 800-4-AA	8"	1118	213	219	50.98
SP 800-4-A	8"	1118	213	219	50.98
SP 800-4	8"	1118	213	219	50.98
SP 800-5-AA	8"	1274	213	219	57.40
SP 800-5-A	8"	1274	213	219	57.40
SP 800-5	8"	1274	213	219	57.40
SP 800-6	8"	1429	213	219	63.74
SP 800-7	10"	1715	227	247	70.24
SP 800-8	10"	1870	227	247	76.66
SP 800-9	10"	2026	227	247	83.08

C*:Maximum diameter of pump with one motor cable.

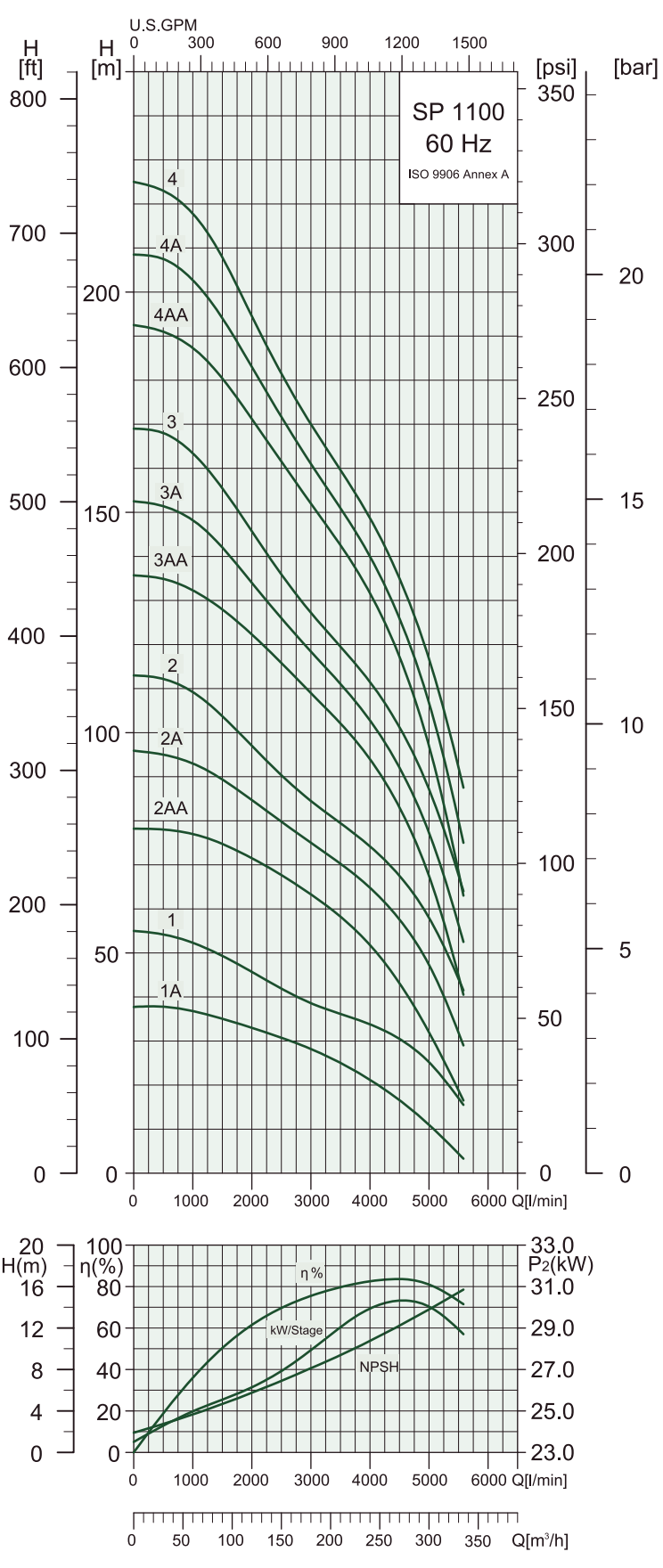
C**:Maximum diameter of pump with two motor cable.

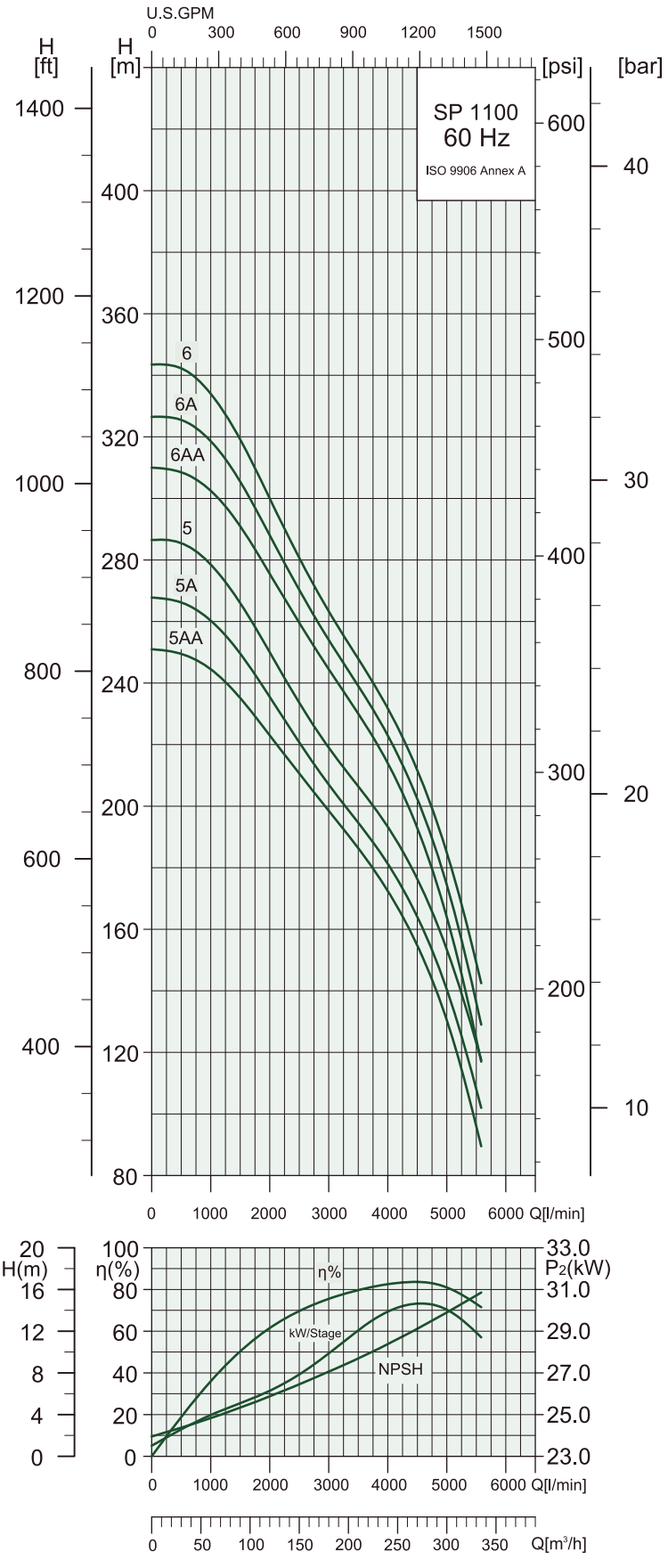


SP 10"

TECHNICAL DATA

PERFORMANCE CURVES





SP 10”

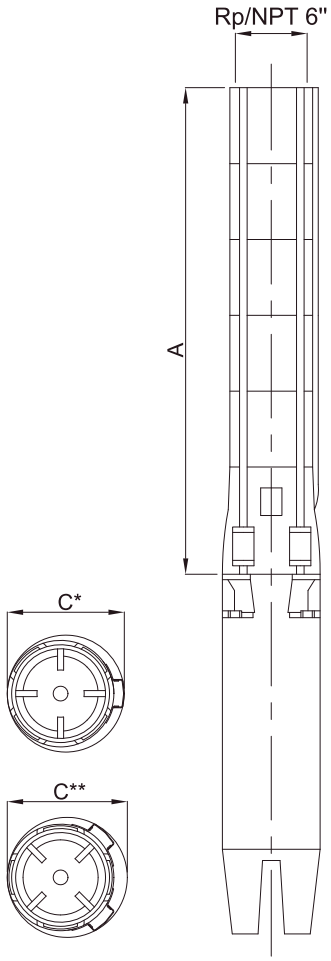
TECHNICAL DATA
SPECIFICATIONS

PUMP TYPE	MOTOR		Q=DELIVERY											
	P_2		l/min	600	900	1200	1800	2100	2400	2700	3000	3300	3600	3900
	kW	HP	m^3/h	36	54	72	108	126	144	162	180	198	216	234
SP 1100-1-A	22.0	30.0		38	37	35	33	31	28	25	21	16	11	5
SP 1100-1	30.0	40.0		54	52	49	46	42	38	36	34	30	25	17
SP 1100-2-AA	45.0	60.0		78	77	74	71	67	63	58	52	43	32	19
SP 1100-2-A	55.0	75.0		95	93	89	85	80	75	70	65	57	47	33
SP 1100-2	63.0	85.0		112	109	103	97	90	84	79	74	67	58	45
SP 1100-3-AA	75.0	100.0		135	132	128	122	116	109	102	94	83	67	46
SP 1100-3-A	93.0	125.0		151	148	142	134	126	118	111	103	92	77	57
SP 1100-3	93.0	125.0		168	163	155	146	321	127	119	111	101	87	69
SP 1100-4-AA	110.0	150.0	H	191	187	180	171	161	152	142	131	117	97	70
SP 1100-4-A	110.0	150.0	(m)	207	202	194	183	171	161	151	140	126	107	81
SP 1100-4	110.0	150.0		223	218	208	194	181	170	159	148	135	117	93
SP 1100-5-AA	132.0	175.0		249	244	235	223	210	198	186	172	154	130	98
SP 1100-5-A	132.0	175.0		266	260	249	235	221	207	194	181	164	140	110
SP 1100-5	147.0	200.0		285	278	266	250	233	219	206	193	176	153	125
SP 1100-6-AA	170.0	230.0		308	302	291	275	260	244	230	214	192	164	126
SP 1100-6-A	170.0	230.0		325	318	305	288	270	254	239	223	202	174	138
SP 1100-6	170.0	230.0		342	334	319	309	281	263	248	232	211	185	151

DIMENSIONS AND WEIGHTS

PUMP TYPE	MOTOR TYPE	DIMENSIONS (mm)			NET WEIGHT (kg)
		A	C*	C**	PUMP
SP 1100-1-A	6”	772	237	241	46.54
SP 1100-1	6”	772	237	241	45.22
SP 1100-2-AA	8”	948	237	241	55.78
SP 1100-2-A	8”	948	237	241	55.78
SP 1100-2	8”	948	237	241	55.78
SP 1100-3-AA	8”	1124	237	241	65.86
SP 1100-3-A	8”	1124	237	241	65.98
SP 1100-3	8”	1124	237	241	65.98
SP 1100-4-AA	8”	1300	237	241	75.42
SP 1100-4-A	8”	1300	237	241	75.42
SP 1100-4	8”	1300	237	241	75.42
SP 1100-5-AA	10”	1476	262	274	85.92
SP 1100-5-A	10”	1476	262	274	85.92
SP 1100-5	10”	1476	262	274	85.92
SP 1100-6-AA	10”	1652	262	274	96.32
SP 1100-6-A	10”	1652	262	274	96.32
SP 1100-6	10”	1652	262	274	96.32

C*:Maximum diameter of pump with one motor cable.
C**:Maximum diameter of pump with two motor cable.



SPERONI®

WATER PUMPS

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