

 STAIRS

SP 50Hz

4" 6" 8" 10" Series

Stainless Steel
Submersible Pumps



 STAIRS

No.6-7-1,Shanzijiao, Lucao Township, Chiayi County 61158, Taiwan
Tel: +886 5 3750488 Fax: +886 5 3755658
www.stairs.com.tw E-mail:stairs@stairs.com.tw

1130403



NSF 61
STAIRS INDUSTRIAL CO., LTD.

SP
General Data

Performance Range	01
SP 4"	02
SP 6"	04
SP 8"	06
SP 10"	08

Technical Data

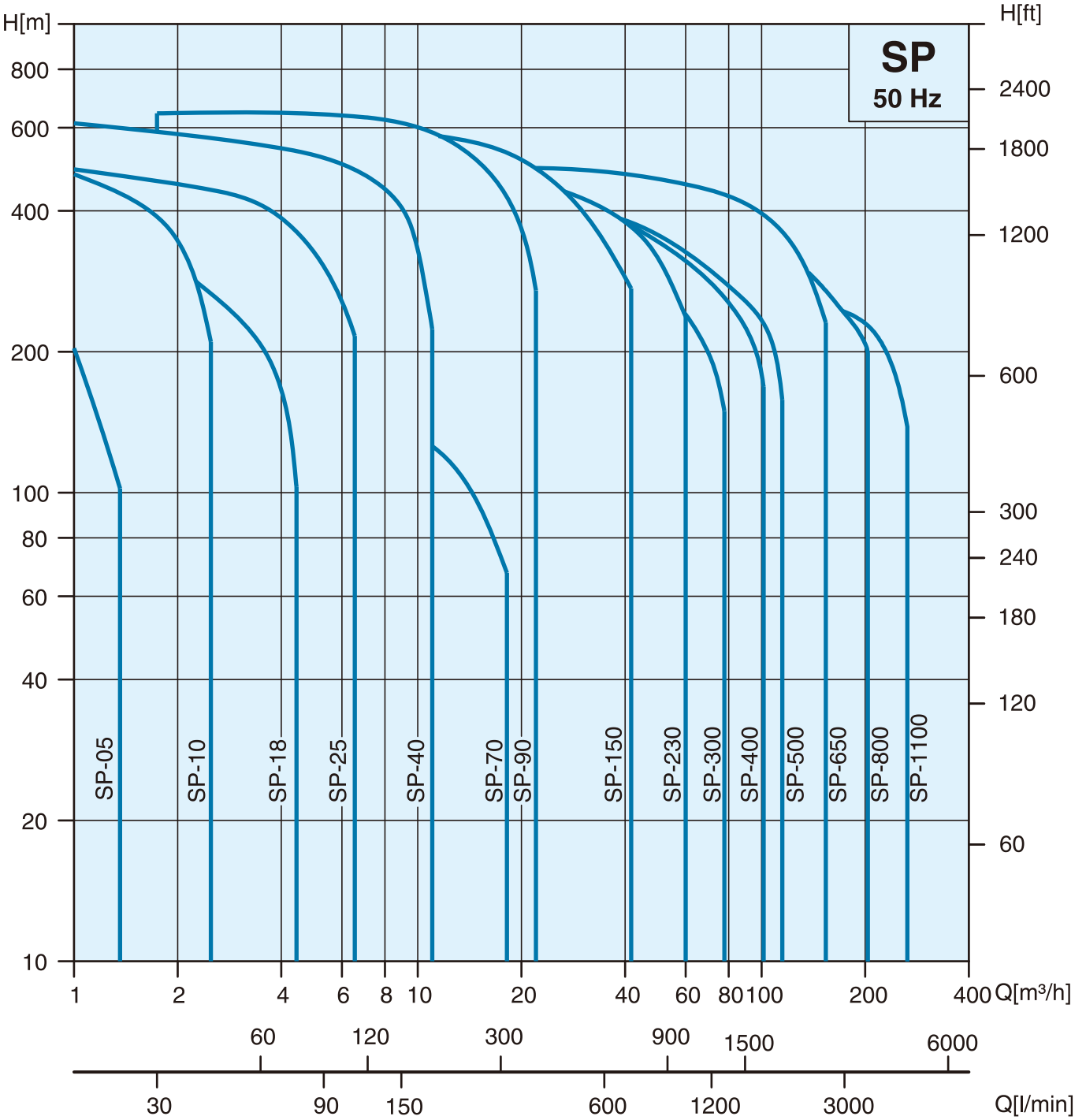
SP 05	10
SP 10	12
SP 18	14
SP 25	16
SP 40	18
SP 70	19
SP 90	20
SP 150	21
SP 230	22
SP 300	23
SP 400	24
SP 500	25
SP 650	26
SP 800	27
SP 1100	28

SP 4" 6" 8" 10" Series Stainless Steel Submersible Pumps

SP4",6",8" and 10" submersible pumps are made of corrosion and abrasion resistant stainless steel and have been developed in accordance with state-of-the-art technology.

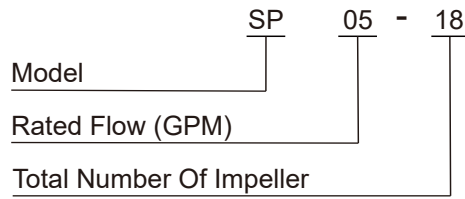
The SP series of pumps are manufactured to the highest standards for energy efficiency, dependable performance, rugged construction and long service life for the most demanding applications.

Performance Range








Model Code



Screen size of each hole:

-  5x 1 mm (SP-05~10)
-  Ø2.5 mm (SP-18~25)
-  20 x 4 mm (SP-40~70)

Applications

- Potable 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.

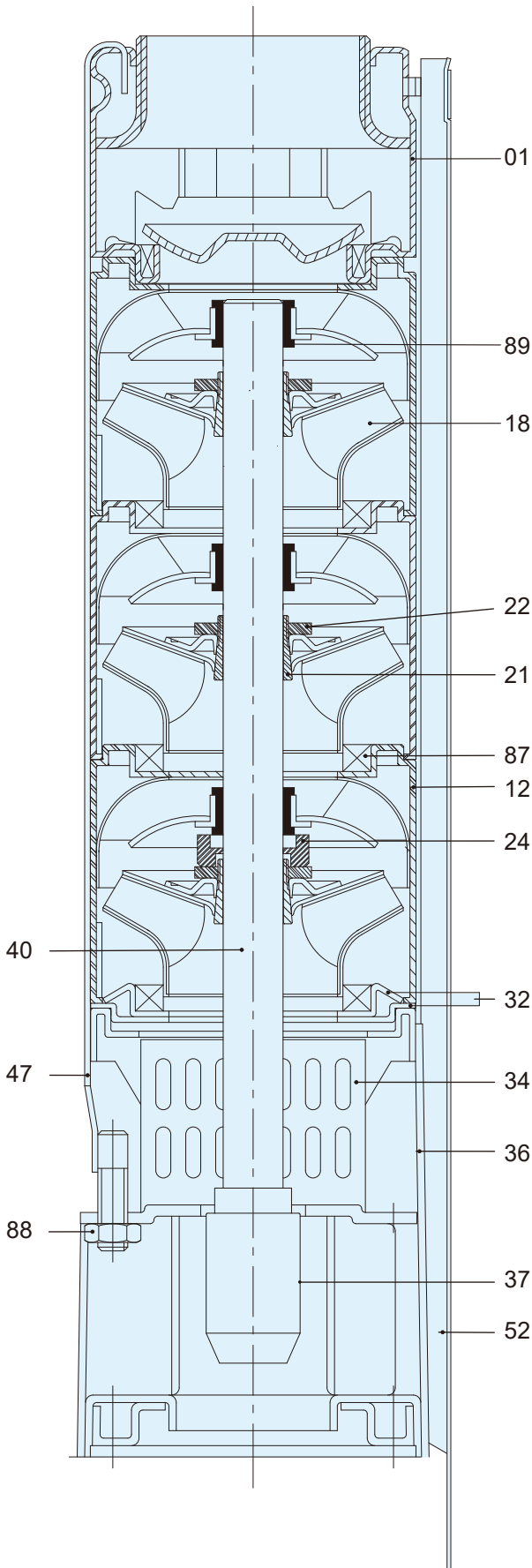
Operation Conditions

- Capacity (m³/h) min 0.3 max 18
- Total Head: Max. 625m
- Max. Liquids temperature : 90°C
- Sand content: Max. 50 g/m³

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, except for the shafts, which are made of 431, 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 bearings 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 thrust bearing, limits axial movements of the pump shaft.
- Stainless steel strainer to restrict the entry of sand and other extraneous material.

Materials

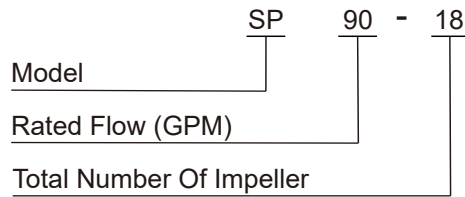



Pos.	Part Name	Materials
1	Discharge	SUS304 / SUS316
12	Diffuser	SUS304 / SUS316
18	Impeller	SUS304 / SUS316
21	Split Cone	SUS304 / SUS316
22	Split Cone Nut	SUS304 / SUS316
24	Stop Ring	Carbon+Graphite+PTFE
32	Neck Ring Retainer	SUS304 / SUS316
34	Strainer	SUS304 / SUS316
36	Suction Interconnector	SUS304 / SUS316
37	Coupling	SUS304 / SUS316
40	Pump Shaft	SUS304 / SUS431 / SUS316
47	Strap	SUS304 / SUS316
52	Cable Guard	SUS304 / SUS316
87	Neck Ring	SUS304+NBR / HNBR
88	Nut	SUS304 / SUS316
89	Bearing	NBR / HNBR

*AISI 316 stainless steel pumps are available on request.



Model Code



Screen size of each hole:
 20 x 4 mm

Applications

- Potable 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.

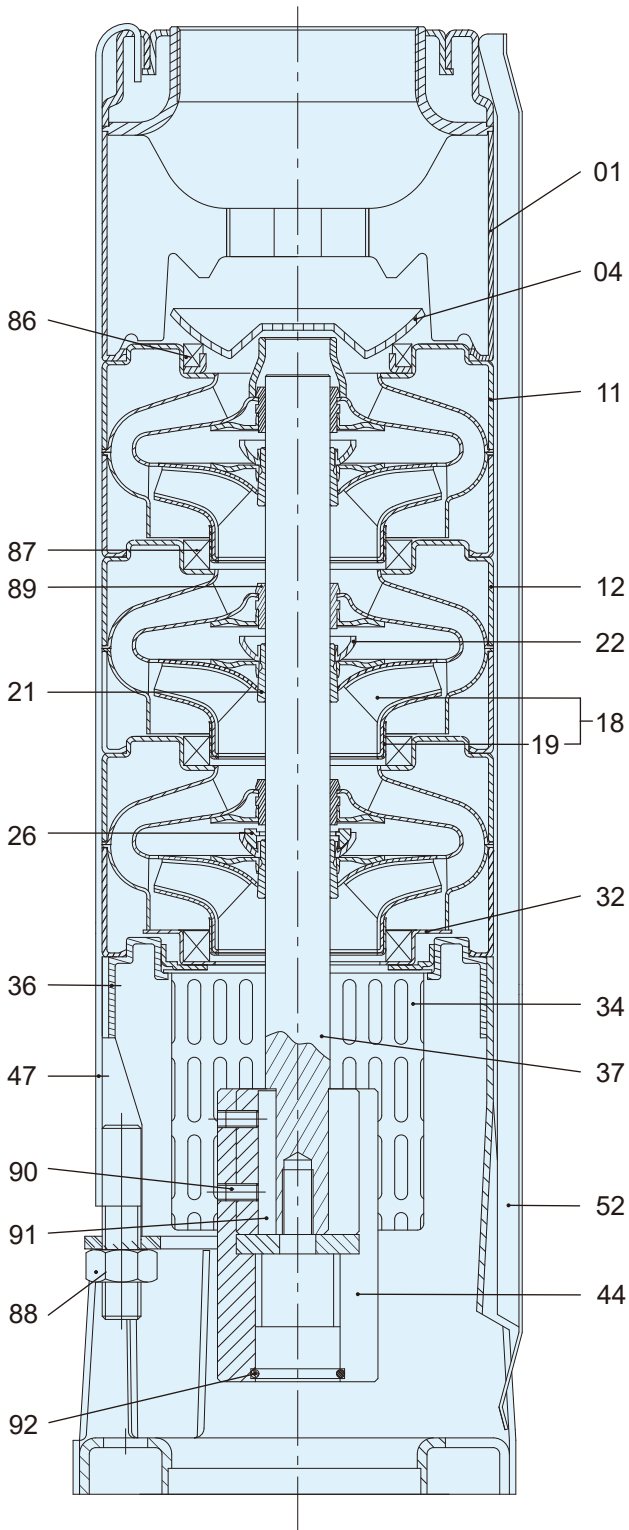
Operation Conditions

- Capacity (m³/h) min 3 max 78
- Total Head: Max. 648m
- Max. Liquids temperature : 90°C
- Sand content: Max. 50 g/m³

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, except for the shafts, which are made of 431, 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 bearings 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 thrust bearing, limits axial movements of the pump shaft.
- Stainless steel strainer to restrict the entry of sand and other extraneous material.

Materials

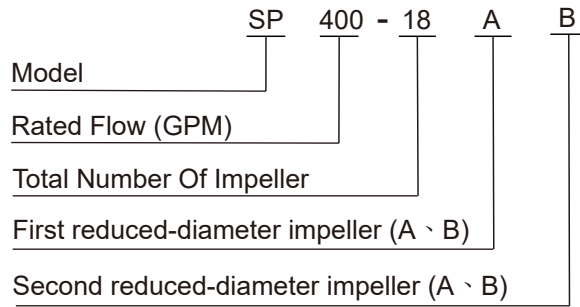



Pos.	Part Name	Materials
1	Discharge	SUS304 / SUS316
4	Valve Cone	SUS304 / SUS316
11	Top Diffuser	SUS304 / SUS316
12	Diffuser	SUS304 / SUS316
18	Impeller	SUS304 / SUS316
19	Ring of Impeller	SUS304 / SUS316
21	Split Cone	SUS304 / SUS316
22	Split Cone Nut	SUS304 / SUS316
26	Spacing Washer For Stop Ring	Carbon+Graphite+PTFE
32	Neck Ring Retainer	SUS304 / SUS316
34	Strainer	SUS304 / SUS316
36	Suction Interconnector	SUS304 / SUS316
37	Pump Shaft	SUS431 / SUS316
44	Coupling	SUS431 / SUS316
47	Strap	SUS304 / SUS316
52	Cable Guard	SUS304 / SUS316
86	Valve Seat	SUS304+NBR / HNBR
87	Neck Ring Nut	SUS304+NBR / HNBR
88	Nut	SUS304 / SUS316
89	Bearing	NBR / HNBR
90	Screw	SUS304 / SUS316
91	Key	SUS304 / SUS316
92	O-ring	NBR / HNBR

*AISI 316 stainless steel pumps are available on request.



Model Code



Screen size of each hole:
 20 x 4 mm

Applications

- Potable 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.

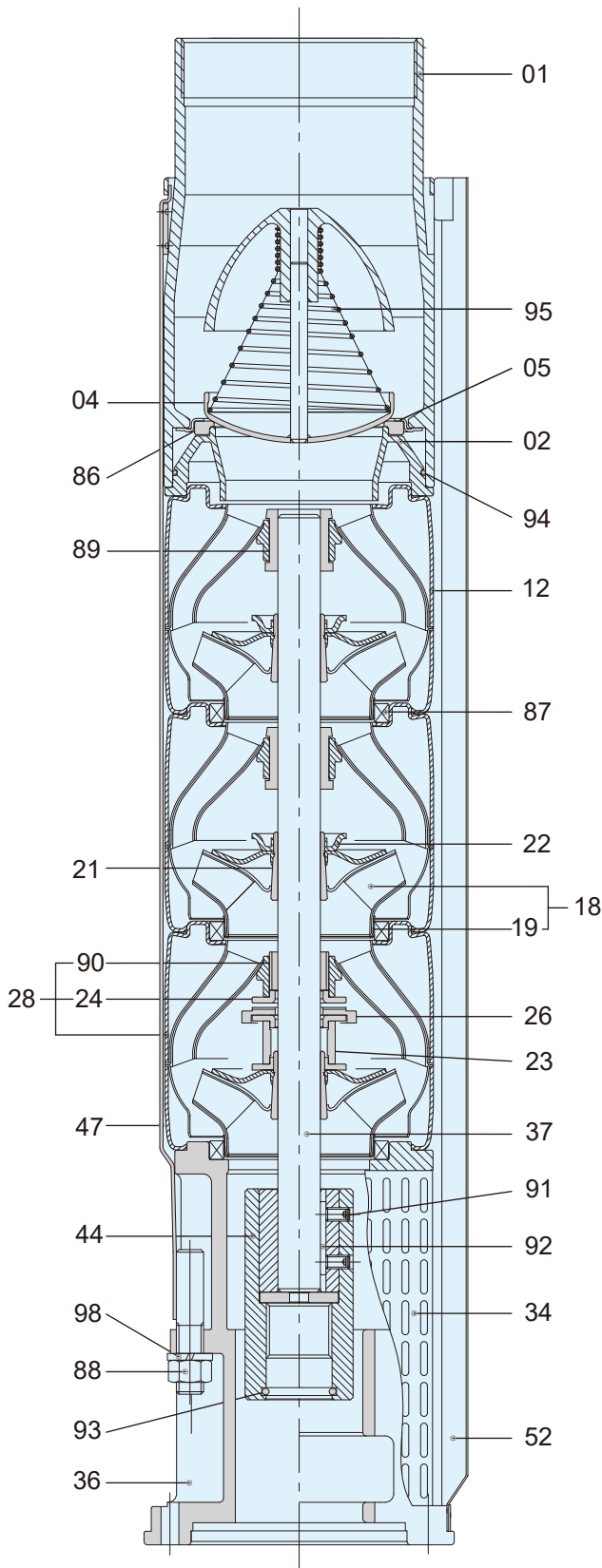
Operation Conditions

- Capacity (m³/h) min 12 max 120
- Total Head: Max. 450m
- Max. Liquids temperature : 90°C
- Sand content: Max. 50 g/m³

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, except for the shafts, which are made of 431, 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 bearings 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 thrust bearing, limits axial movements of the pump shaft.
- Stainless steel strainer to restrict the entry of sand and other extraneous material.

Materials

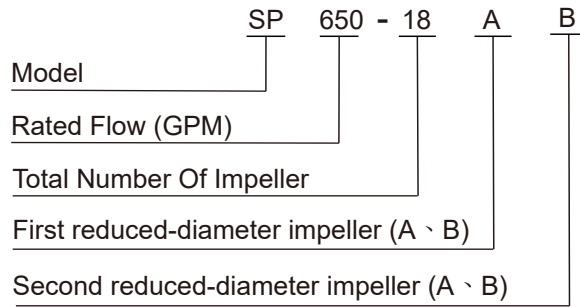



Pos.	Part Name	Materials
1	Discharge	SUS304 / SUS316
2	Lower Valve Seat Retainer	SUS304 / SUS316
4	Valve Cup	SUS304 / SUS316
5	Upper Valve Seat Retainer	SUS304 / SUS316
12	Diffuser	SUS304 / SUS316
18	Impeller	SUS304 / SUS316
19	Ring Of impeller	SUS304 / SUS316
21	Split Cone	SUS304 / SUS316
22	Split Cone Nut	SUS304 / SUS316
23	Nut For Stop Ring	SUS304 / SUS316
24	Stop Ring	SUS304 / SUS316
26	Spacing Washer For Stop Ring	Carbon+Graphite+PTFE
28	Bottom Diffuser	SUS304 / SUS316
34	Strainer	SUS304 / SUS316
36	Suction Interconnector	SUS304 / SUS316
37	Pump Shaft	SUS431 / SUS316
44	Coupling	SUS304 / SUS316
47	Strap	SUS304 / SUS316
52	Cable Guard	SUS304 / SUS316
86	Valve Seat	NBR / HNBR
87	Neck Ring	SUS304+NBR / HNBR
88	Nut	SUS304 / SUS316
89	Bearing	NBR / HNBR
90	Bearing	SUS304+NBR / SUS316+HNBR
91	Screw	SUS304 / SUS316
92	Key	SUS304 / SUS316
93	O-ring	NBR / HNBR
94	O-ring	NBR / HNBR
95	Spring	SUS304 / SUS316
98	Spring Washer	SUS304 / SUS316

*AISI 316 stainless steel pumps are available on request.



Model Code



Screen size of each hole:
 20 x 4 mm

Applications

- Potable 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.

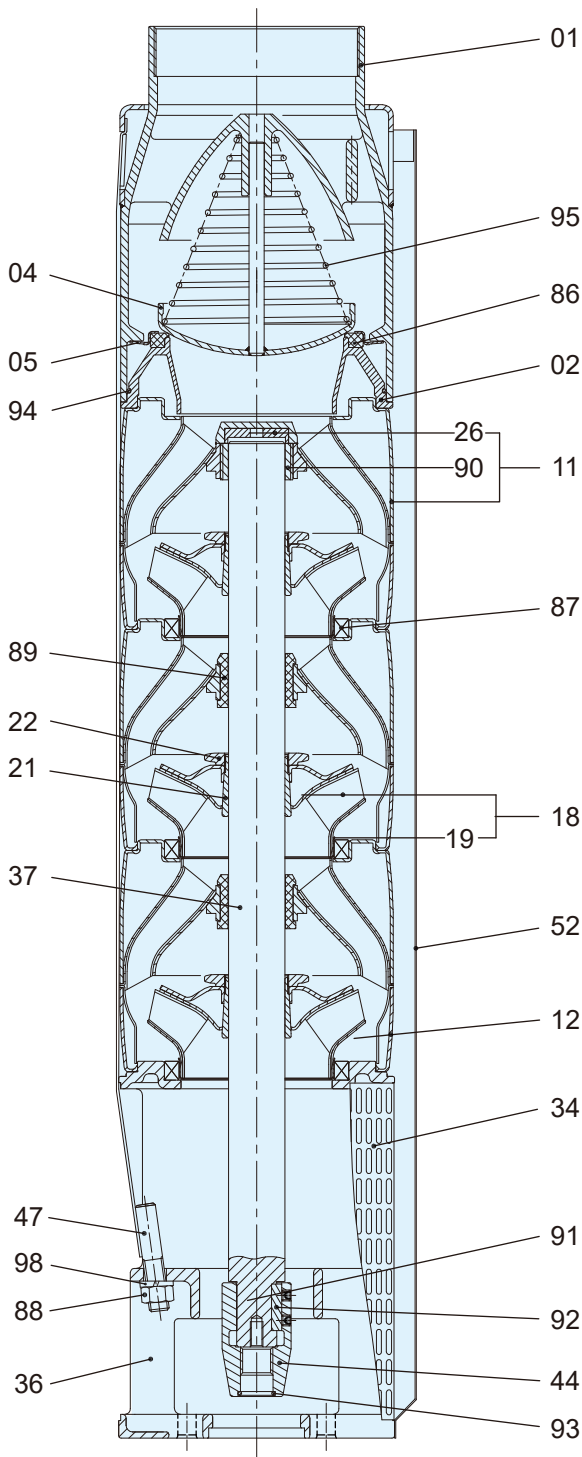
Operation Conditions

- Capacity (m³/h) min 16 max 280
- Total Head: Max. 502m
- Max. Liquids temperature : 90°C
- Sand content: Max. 50 g/m³

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, except for the shafts, which are made of 431, 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 bearings 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 thrust bearing, limits axial movements of the pump shaft.
- Stainless steel strainer to restrict the entry of sand and other extraneous material.

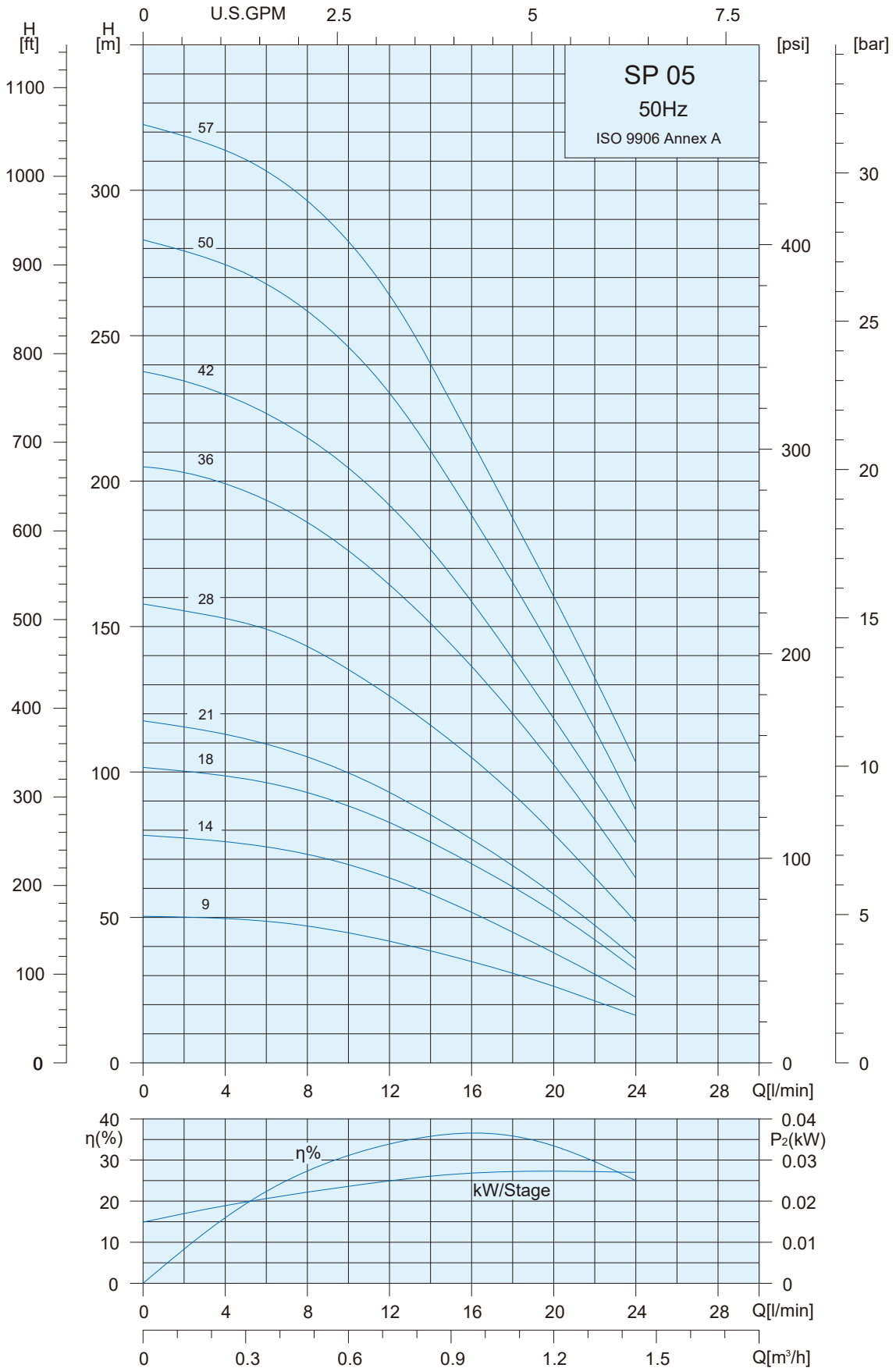
Materials



Pos.	Part Name	Materials
1	Discharge	SUS304 / SUS316
2	Lower Valve Seat Retainer	SUS304 / SUS316
4	Valve Cup	SUS304 / SUS316
5	Upper Valve Seat Retainer	SUS304 / SUS316
11	Upper Diffuser	SUS304 / SUS316
+26	Spacing Washer For Stop Ring	Carbon Fiber+MoS2+PTFE
+90	Upper Bearing	SUS304+NBRGO / SUS316+HNBR
12	Diffuser	SUS304 / SUS316
18	Impeller	SUS304 / SUS316
18	Impeller-A	SUS304 / SUS316
+19	Ring Of Impeller	SUS304 / SUS316
21	Spit Cone	SUS304 / SUS316
22	Split Cone Nut	SUS304 / SUS316
34	Strainer-one lead	SUS304 / SUS316
34	Strainer-two leads	SUS304 / SUS316
36	Suction Interconnector-6"	SUS304 / SUS316
36	Suction Interconnector-8"	SUS304 / SUS316
37	Shaft	SUS431 / SUS316
44	Coupling-6"	SUS304 / SUS316
44	Coupling-8"	SUS304 / SUS316
47	Strap	SUS304 / SUS316
52	Cable Guard	SUS304 / SUS316
86	Valve Seat	NBR70 / HNBR70
87	Neck Ring	PPS+NBR / HNBR
88	Nut	SUS304 / SUS316
89	Bearing	NBR70 / HNBR70
91	Screw-6"	SUS304 / SUS316
91	Screw-8"	SUS304 / SUS316
92	Key-6"	SUS304 / SUS316
92	Key-8"	SUS304 / SUS316
93	O-ring-6"	NBR70/HNBR70
93	O-ring-8"	NBR70 / HNBR70
94	O-ring	NBR70 / HNBR70
95	Spring	SUS304 / SUS316
98	Spring Washer	SUS304 / SUS316

*AISI 316 stainless steel pumps are available on request.

Performance Curves



Specifications

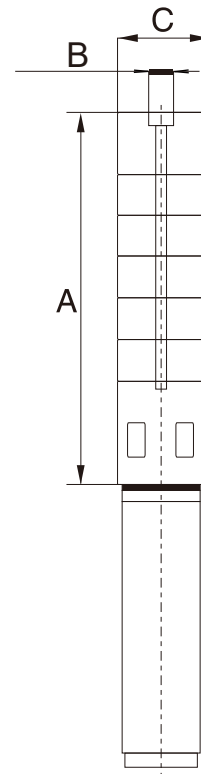
Pump Type	Motor		Q capacity 2850 rpm														
	P2		l/min	0	5	10	15	20	25	30	35	40	45	50	60	70	80
	kW	HP	m ³ /h	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0	3.6	4.2	4.8
			HEAD IN METERS														
SP-0509	0.37	0.5	50	47	45	36	26	14									
SP-0514	0.37	0.5	78	75	68	55	38	21									
SP-0518	0.55	0.75	102	97	88	72	52	27									
SP-0521	0.55	0.75	118	111	100	81	58	30									
SP-0528	0.75	1	158	151	138	111	79	42									
SP-0536	1.1	1.5	205	196	175	144	103	54									
SP-0542	1.1	1.5	238	227	203	168	118	67									
SP-0550	1.5	2	283	271	246	199	140	72.5									
SP-0557	2	3	322	310	282	227	160	88.5									

*Higher pressure , longer stages pumps up to 57 stages are available on request.

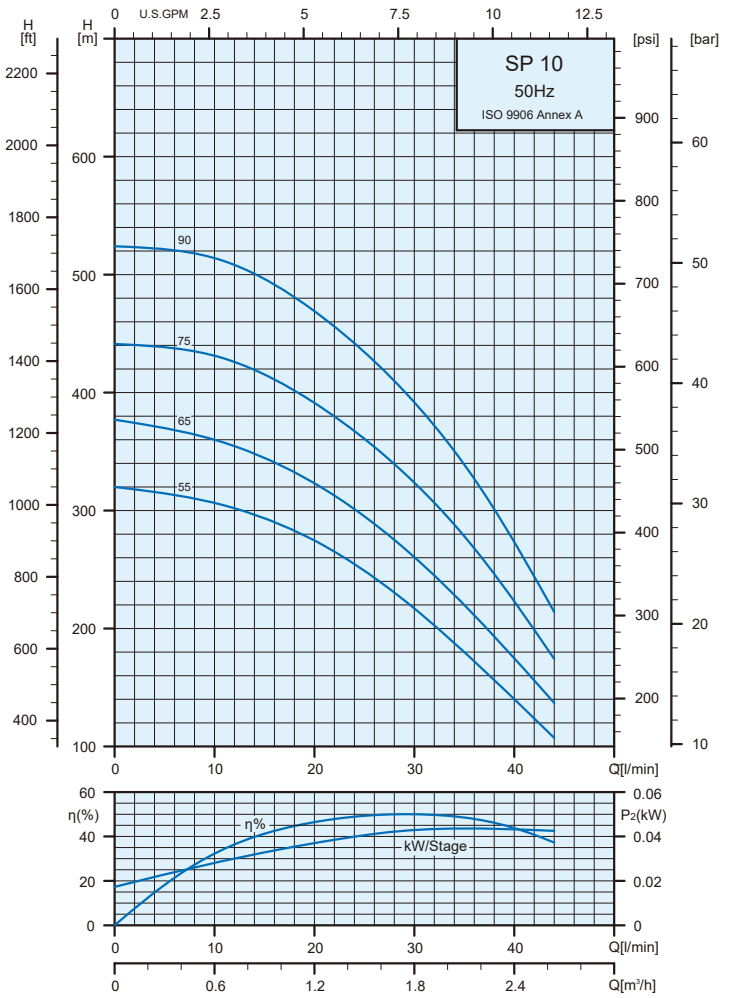
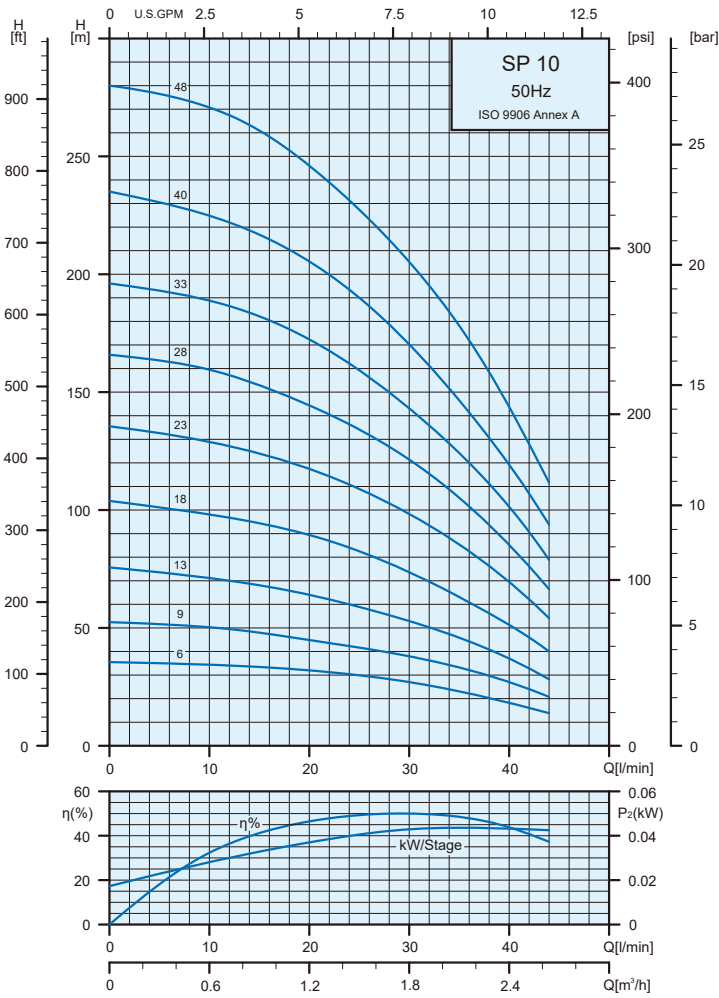
Dimensions and Weights

Pump Type	kW	HP	motor Dia.	Dimensions(mm)			Net Weight(kg)
				A	B	C	Pump
SP-0509	0.37	0.5	4"	356	RP/NPT 1 1/4"	98	2.9
SP-0514	0.37	0.5	4"	461		98	3.7
SP-0518	0.55	0.75	4"	545		98	4.4
SP-0521	0.55	0.75	4"	608		98	5.0
SP-0528	0.75	1	4"	755		98	6.2
SP-0536	1.1	1.5	4"	946		98	9.9
SP-0542	1.1	1.5	4"	1072		98	11.3
SP-0550	1.5	2	4"	1240		98	13.2
SP-0557	2	3	4"	1387		98	14.8

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



Performance Curves



Specifications

Pump Type	Motor		Q capacity 2850 rpm														
	P2		l/min	0	5	10	15	20	25	30	35	40	45	50	60	70	80
			m ³ /h	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0	3.6	4.2	4.8
	kW	HP	HEAD IN METERS														
SP-1006	0.37	0.5	36			34	32	30	27	23	18						
SP-1009	0.37	0.5	52			48	45	42	38	33	27						
SP-1013	0.55	0.75	76			68	64	59	53	46	37						
SP-1018	0.75	1	104			94	89	82	74	63	51						
SP-1023	1.1	1.5	136			124	117	109	98	85	69						
SP-1028	1.5	2	166			153	144	134	121	105	85						
SP-1033	1.5	2	196			182	172	159	143	124	101						
SP-1040	2.2	3	235			217	205	190	170	147	119						
SP-1048	2.2	3	280			261	246	227	205	178	144						
SP-1055	3	4	320			293	275	249	217	180	140						
SP-1065	3	4	377			345	323	294	260	220	175						
SP-1075	4	5.5	441			415	391	360	324	278	223						
SP-1090	4	5.5	524			496	469	434	392	339	273						

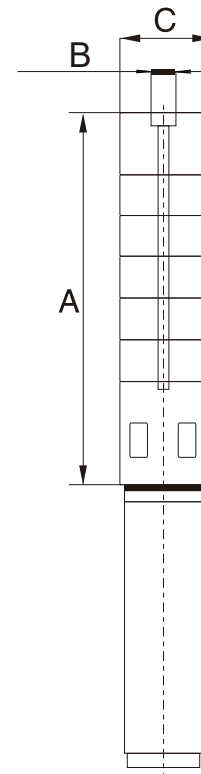
*Higher pressure , longer stages pumps up to 90 stages are available on request.

Dimensions and Weights

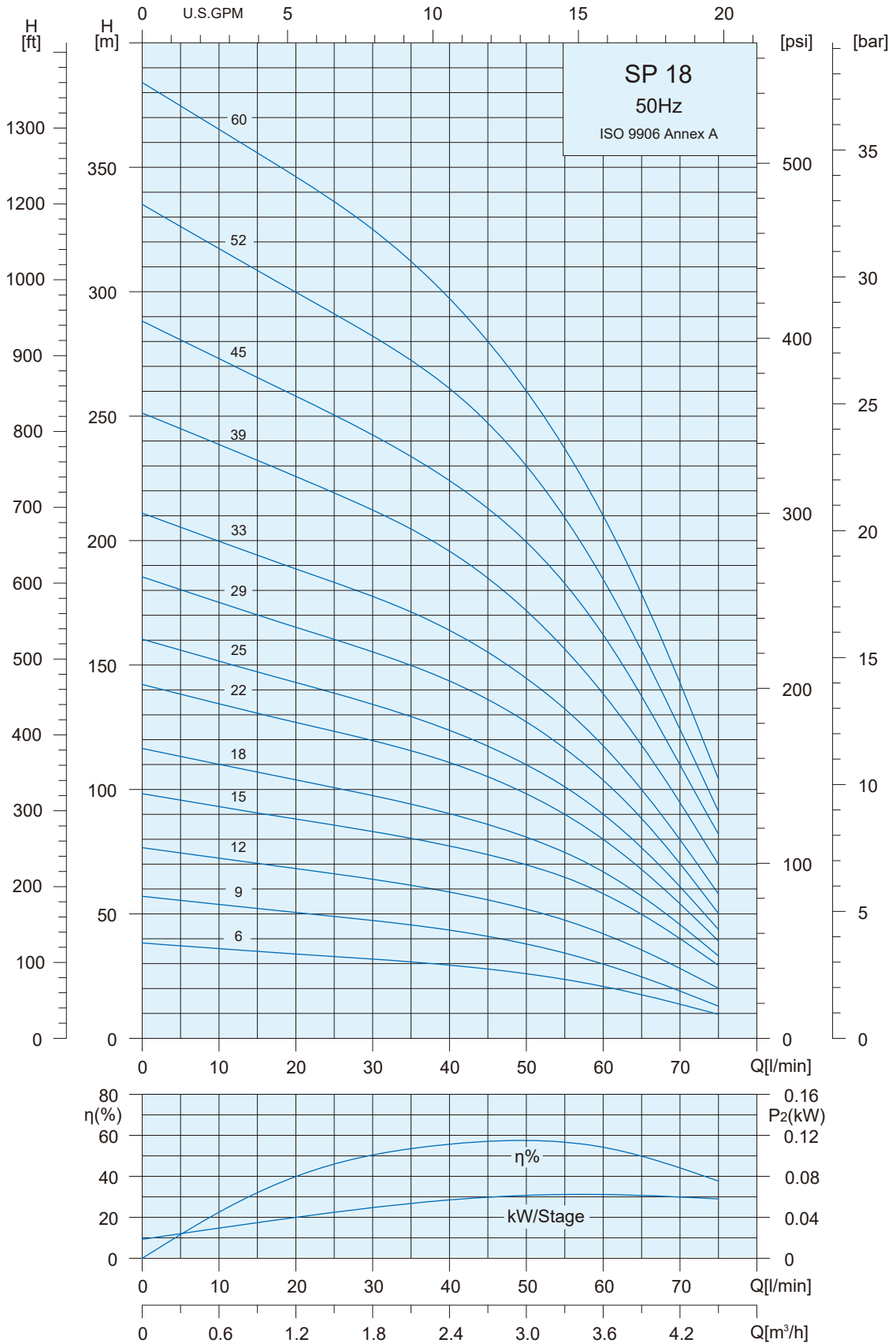
Pump Type	kW	HP	motor Dia.	Dimensions(mm)			Net Weight(kg)
				A	B	C	Pump
SP-1006	0.37	0.5	4"	293	RP/NPT 1 1/4"	98	2.3
SP-1009	0.37	0.5	4"	356		98	3.0
SP-1013	0.55	0.75	4"	440		98	3.8
SP-1018	0.75	1	4"	545		98	4.7
SP-1023	1.1	1.5	4"	650		98	5.7
SP-1028	1.5	2	4"	755		98	6.6
SP-1033	1.5	2	4"	883		98	9.7
SP-1040	2.2	3	4"	1030		98	11.5
SP-1048	2.2	3	4"	1198		98	13.5
SP-1055	3	4	4"	1345		98	15.3
SP-1065	3	4	4"	1555		98	17.8
SP-1075	4	5.5	4"	2123		133	40.1
SP-1090	4	5.5	4"	2438		133	45.6

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

SP-1075 and SP-1090 are mounted in sleeve for R 1 1/4 connection



Performance Curves



Specifications

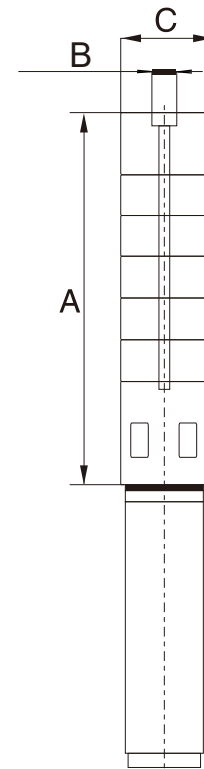
Pump Type	Motor		Q=DELIVERY 2850rpm									
	P ₂		l/min m ³ /h	0	25	30	35	40	45	50	60	70
	kW	HP		0	1.5	1.8	2.1	2.4	2.7	3.0	3.6	4.2
SP 18-06	0.37	0.5	H (m)	38.0	33.0	32.0	31.0	30.0	28.0	26.0	21.0	14.0
SP 18-09	0.55	0.75		57.0	49.0	47.0	46.0	43.0	41.0	38.0	30.0	19.0
SP 18-12	0.75	1.0		77.0	66.0	64.0	62.0	58.0	56.0	52.0	42.0	28.0
SP 18-15	1.1	1.5		97.0	85.0	83.0	80.0	77.0	74.0	69.0	57.0	40.0
SP 18-18	1.1	1.5		116.0	101.0	97.0	94.0	90.0	85.0	80.0	67.0	45.0
SP 18-22	1.5	2.0		142.0	123.0	120.0	115.0	110.0	105.0	98.0	80.0	54.0
SP 18-25	1.5	2.0		160.0	139.0	134.0	129.0	123.0	117.0	110.0	90.0	61.0
SP 18-29	2.2	3.0		185.0	160.0	155.0	150.0	143.0	136.0	127.0	103.0	70.0
SP 18-33	2.2	3.0		211.0	183.0	177.0	171.0	164.0	155.0	145.0	118.0	80.0
SP 18-39	3.0	4.0		251.0	219.0	212.0	205.0	196.0	185.0	172.0	138.0	95.0
SP 18-45	3.0	4.0		288.0	250.0	242.0	234.0	224.0	213.0	199.0	162.0	110.0
SP 18-52	4.0	5.5		334.0	291.0	282.0	272.0	261.0	247.0	230.0	184.0	124.0
SP 18-60	4.0	5.5		384.0	336.0	325.0	312.0	297.0	280.0	260.0	210.0	143.0

*Higher pressure , longer stages pumps up to 60 stages are available on request.

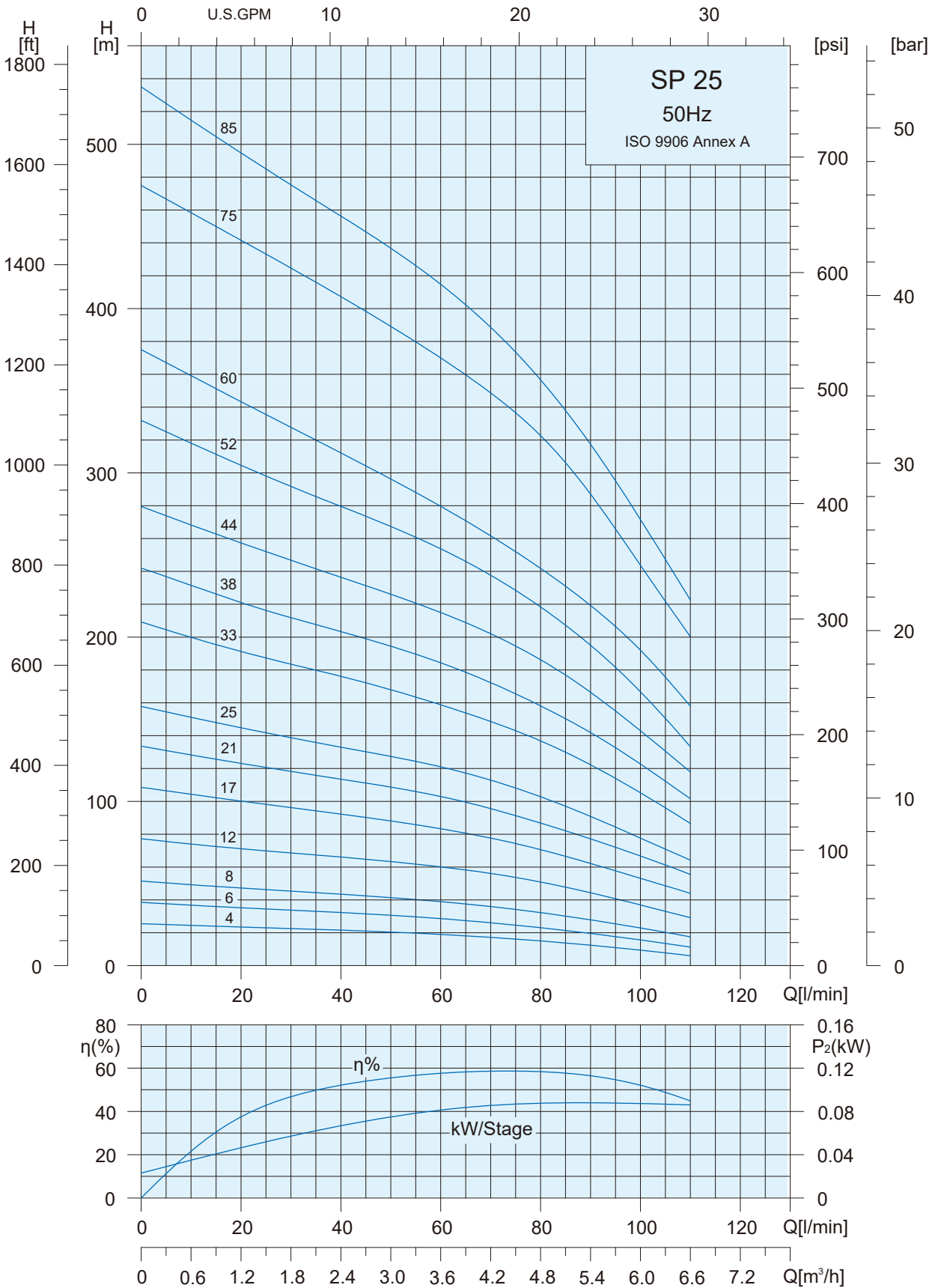
Dimensions and Weights

Pump Type	Motor Dia.	Dimensions (mm)			Net Weight (kg)
		A	B	C	
SP 18-06	4"	293	Rp 1 1/4" NPT 1 1/4"	98	2.4
SP 18-09	4"	356		98	3.0
SP 18-12	4"	419		98	3.6
SP 18-15	4"	482		98	4.2
SP 18-18	4"	545		98	4.7
SP 18-22	4"	629		98	5.5
SP 18-25	4"	692		98	6.1
SP 18-29	4"	776		98	6.8
SP 18-33	4"	883		98	9.7
SP 18-39	4"	1009		98	11.2
SP 18-45	4"	1135		98	12.7
SP 18-52	4"	1282		98	14.5
SP 18-60	4"	1450		98	16.6

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



Performance Curves



Specifications

Pump Type	Motor		Q capacity 2850 rpm													
			l/min	0	15	30	35	40	45	50	60	70	80	90	100	120
	P2	HP	m ³ /h	0.9	1.8	2.1	2.4	2.7	3.0	3.6	4.2	4.8	5.4	6.0	7.2	8.4
		HEAD IN METERS														
SP-2504	0.37	0.5	25		23	22	21	20.5	20	19	17	15	12	10		
SP-2506	0.55	0.75	38		34	33	32	31	30	28	26	23	20	16		
SP-2508	0.75	1	51		45	44	43	42	41	39	36	32	28	23		
SP-2512	1.1	1.5	77		68	67	66	64	63	60	56	51	44	37		
SP-2517	1.5	2	108		96	94	92	90	88	83	77	70	62	53		
SP-2521	2.2	3	134		118	115	113	111	108	103	96	87	77	67		
SP-2525	2.2	3	157		138	136	133	130	127	121	113	103	90	78		
SP-2533	3	4	209		184	180	176	172	168	159	149	137	122	105		
SP-2538	4	5.5	242		212	208	203	199	194	184	172	158	142	123		
SP-2544	4	5.5	279		247	242	237	231	226	215	202	187	166	143		
SP-2552	5.5	7.5	332		291	285	279	273	267	253	237	218	195	166		
SP-2560	5.5	7.5	375		327	320	312	304	296	279	261	242	219	192		
SP-2575	7.5	10	475		424	416	407	398	389	370	348	322	287	243		
SP-2585	7.5	10	535		475	466	456	446	436	414	388	356	317	271		

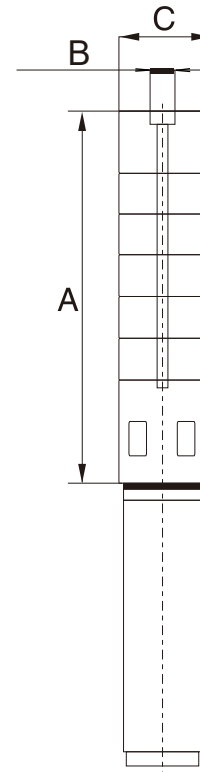
*Higher pressure , longer stages pumps up to 85 stages are available on request.

Dimensions and Weights

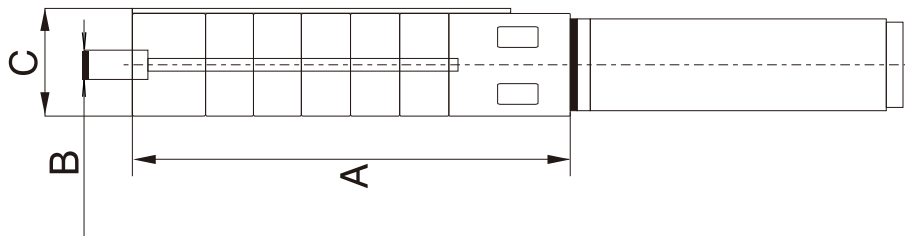
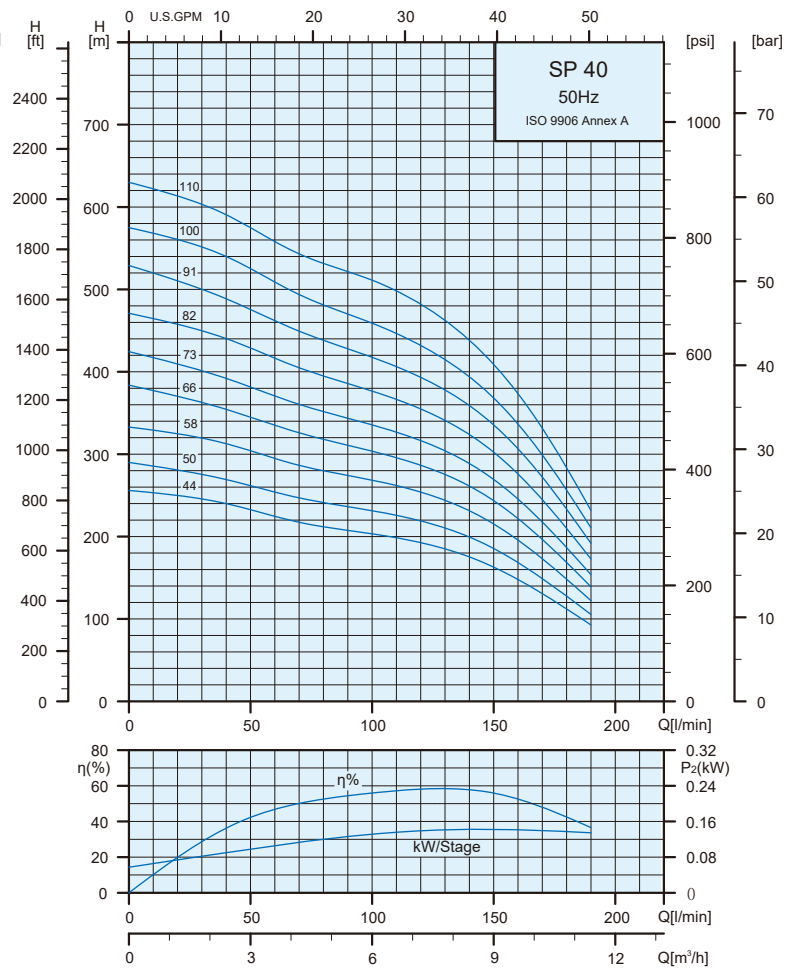
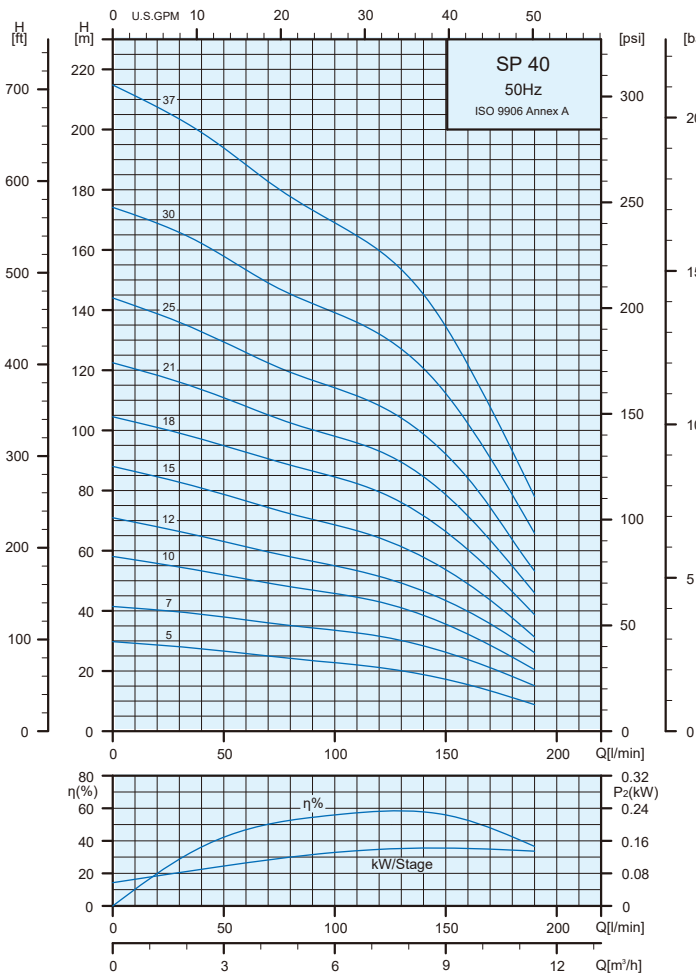
Pump Type	kW	HP	motor Dia.	Dimensions(mm)			Net Weight(kg)
				A	B	C	
SP-2504	0.37	0.5	4"	251	RP/NPT 1 1/2"	98	2.0
SP-2506	0.55	0.75	4"	293		98	2.4
SP-2508	0.75	1	4"	335		98	2.8
SP-2512	1.1	1.5	4"	419		98	3.6
SP-2517	1.5	2	4"	524		98	4.5
SP-2521	2.2	3	4"	608		98	5.3
SP-2525	2.2	3	4"	692		98	6.0
SP-2533	3	4	4"	868		98	9.6
SP-2538	4	5.5	4"	973		98	10.9
SP-2544	4	5.5	4"	1099		98	12.4
SP-2552	5.5	7.5	4"	1267		98	14.4
SP-2552	5.5	7.5	6"	1341		138	16.5
SP-2560	5.5	7.5	4"	1435		98	16.4
SP-2560	5.5	7.5	6"	1509		138	18.5
SP-2575	7.5	10	6"	2138		140	41.5
SP-2585	7.5	10	6"	2348		140	45.5

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

SP-2575 and SP-2585 are mounted in sleeve for R 1 1/2 connection



Performance Curves



Dimensions and Weights

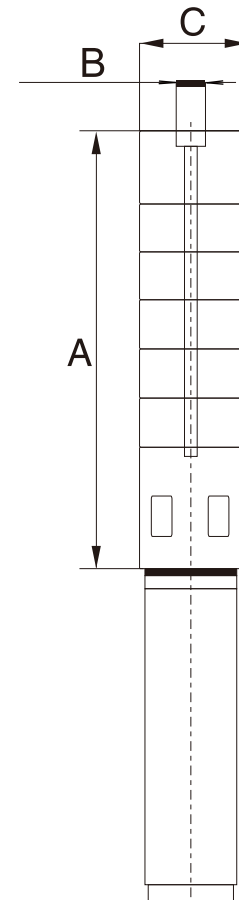
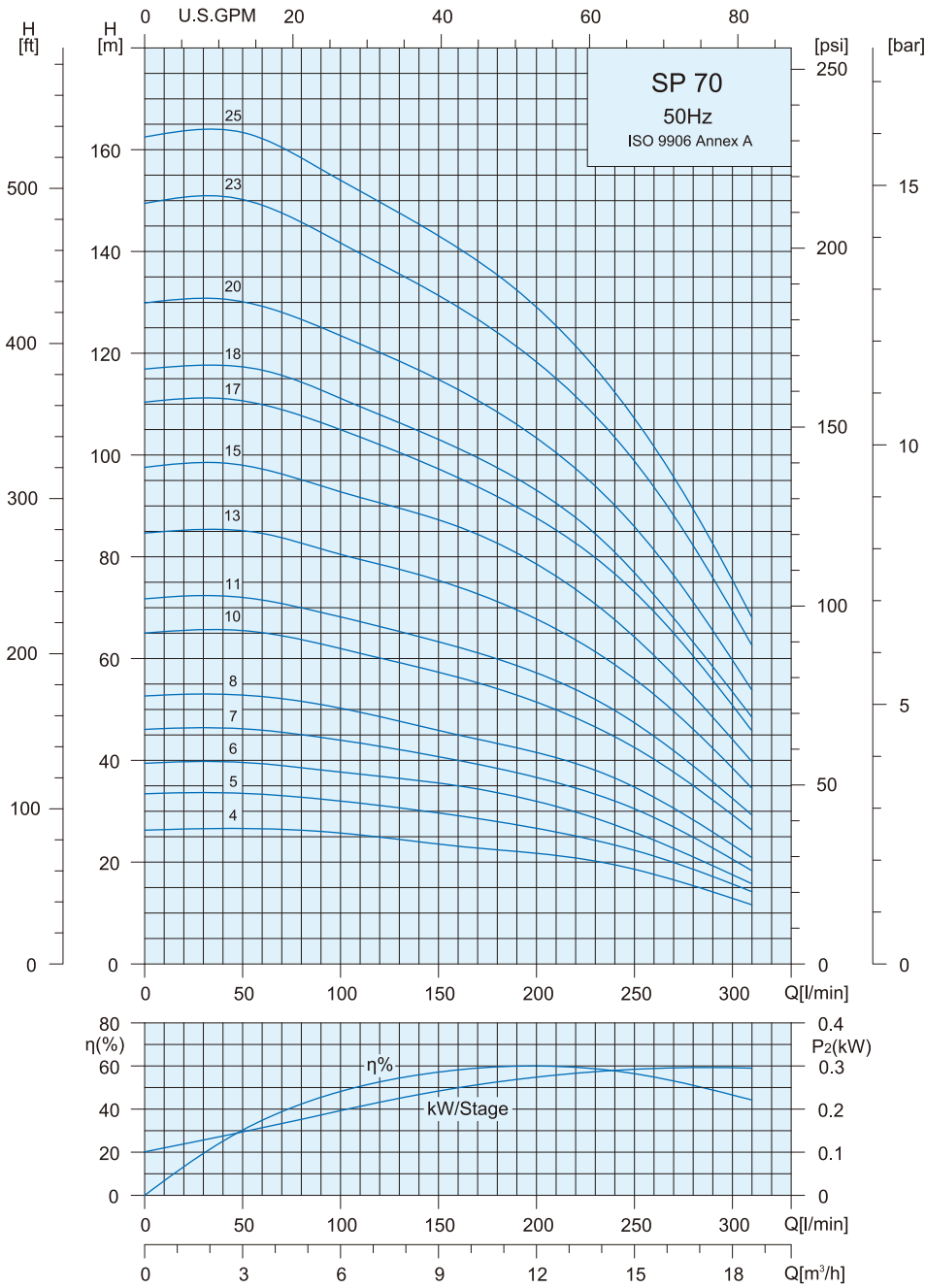
Pump Type	kW	HP	motor Dia.	Dimensions(mm)			Net Weight(kg)
				A	B	C	
SP-4005	0.75	1	4"	412	RP/NPT 2"	98	4.3
SP-4007	1.1	1.5	4"	496		98	5.3
SP-4010	1.5	2	4"	622		98	6.8
SP-4012	2.2	3	4"	706		98	7.8
SP-4015	2.2	3	4"	832		98	9.3
SP-4018	3	4	4"	958		98	10.8
SP-4021	4	5.5	4"	1084		98	12.3
SP-4025	4	5.5	4"	1252		98	14.3
SP-4030	5.5	7.5	4"	1462		98	16.8
SP-4037	5.5	7.5	4"	1753		98	20.3
SP-4044	7.5	10	4"	2047		98	23.3
SP-4044	7.5	10	6"	2113		138	25.5
SP-4050	7.5	10	4"	2299		98	26.4
SP-4050	7.5	10	6"	2365		138	28.5
SP-4058	11	15	6"	3005		140	58.2
SP-4066	11	15	6"	3341		140	64.6
SP-4073	11	15	6"	3635		140	70.4
SP-4082	15	20	6"	4013		140	77.7
SP-4091	15	20	6"	4391		140	85.1
SP-40100	18.5	25	6"	4769		140	92.4
SP-40110	18.5	25	6"	5189	140	100.6	

C=Maximum diameter of pump inclusive of cable guard and motor.
SP-4058 to SP-40110 are mounted in sleeve for R 2 connection

Specifications

Pump Type	Motor		Q capacity 2850 rpm																
	P2	kW	HP	HEAD IN METERS															
				1/min 0	30	40	45	50	60	70	80	90	100	120	140	160	180		
SP-4005	0.75	1	30		28	27	26	26	25	24	23	22	21	19	15	11			
SP-4007	1.1	1.5	41		39	38	38	37	36	35	34	33	32	28	24	18			
SP-4010	1.5	2	58		54	53	52	51	49	48	47	46	43	38	32	25			
SP-4012	2.2	3	71		65	64	63	61	60	58	56	55	52	47	40	31			
SP-4015	2.2	3	88		80	79	78	76	74	72	70	68	64	57	49	38			
SP-4018	3	4	104		98	96	95	93	90	88	86	84	79	72	60	46			
SP-4021	4	5.5	122		114	112	111	107	105	102	100	98	93	85	72	55			
SP-4025	4	5.5	144		133	131	129	126	122	119	116	114	108	98	84	64			
SP-4030	5.5	7.5	174		163	160	157	154	149	145	142	139	132	120	102	79			
SP-4037	5.5	7.5	215		199	196	194	188	183	177	173	169	160	145	122	93			
SP-4044	7.5	10	256		240	236	232	224	217	212	207	203	192	175	148	112			
SP-4050	7.5	10	290		269	266	261	254	247	241	236	231	219	199	168	127			
SP-4058	11	15	333		312	309	304	295	286	280	274	268	254	231	195	148			
SP-4066	11	15	383		354	350	345	335	326	318	311	303	286	261	222	168			
SP-4073	11	15	424		392	387	381	370	360	351	343	335	316	289	245	186			
SP-4082	15	20	471		440	429	429	416	405	395	385	376	355	324	276	210			
SP-4091	15	20	529		488	482	475	462	449	438	428	417	393	359	306	233			
SP-40100	18.5	25	575		540	533	525	509	493	481	470	459	432	394	336	256			
SP-40110	18.5	25	630		590	583	575	558	543	531	521	511	482	438	373	283			

*Higher pressure, longer stages pumps up to 110 stages are available on request.

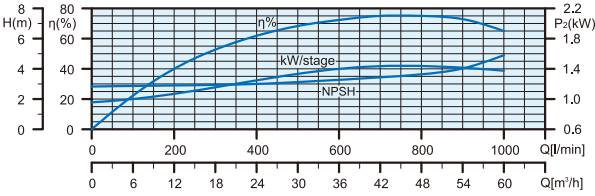
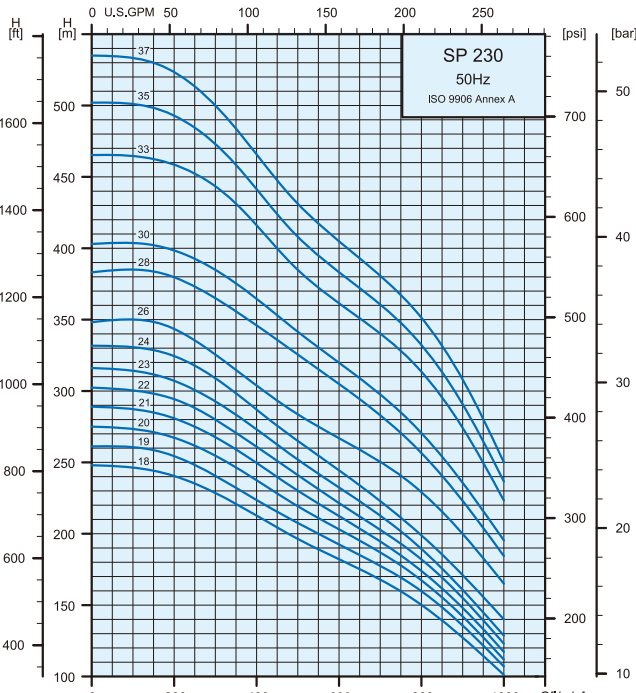
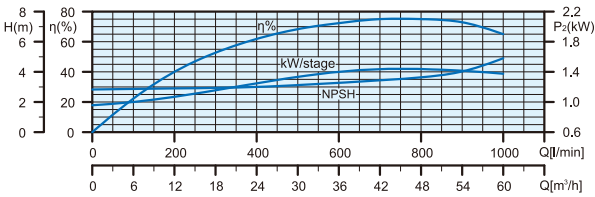
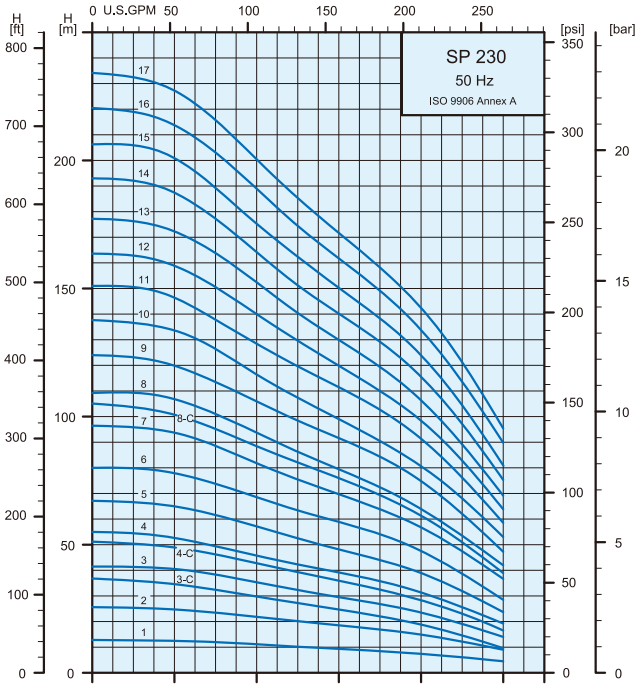


Pump Type	kW	HP	motor Dia.	Dimensions(mm)			Net Weight(kg)
				A	B	C	
SP-7004	1.1	1.5	4"	440		98	4.4
SP-7005	1.5	2	4"	505		98	5.0
SP-7006	2.2	3	4"	570		98	5.7
SP-7007	2.2	3	4"	635		98	6.3
SP-7008	3	4	4"	700		98	7.0
SP-7010	3	4	4"	830		98	8.2
SP-7011	4	5.5	4"	895	RP/NPT 2"	98	8.9
SP-7013	4	5.5	4"	1025		98	10.2
SP-7015	5.5	7.5	4"	1155		98	11.5
SP-7017	5.5	7.5	4"	1285		98	12.8
SP-7018	5.5	7.5	4"	1350		98	13.4
SP-7020	7.5	10	4"	1480		98	14.7
SP-7023	7.5	10	4"	1675		98	16.6
SP-7025	7.5	10	4"	1805		98	17.8

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

Pump Type	Motor		Q capacity 2850 rpm																
	P2	kW	l/min 0	80	100	120	140	160	180	200	250	300	320	340	360	380			
			m³/h 0	4.8	6.0	7.2	8.4	9.6	10.8	12	15	18	19	20	22	23			
HEAD IN METERS																			
SP-7004	1.1	1.5	26		25.5	25	24	23	22.5	21.5	18.5	13							
SP-7005	1.5	2	33		32	31	30	29	28	26	22	16							
SP-7006	2.2	3	39.5		37.5	37	36	35	33.5	32	26	17.5							
SP-7007	2.2	3	46		44	43	42	40	38	36	30	20							
SP-7008	3	4	52.5		50	48.5	46.5	45	43	41.5	35	23.5							
SP-7010	3	4	65		62	60	58	56	54	51	43	29							
SP-7011	4	5.5	71.5		68	66	64	62	60	57	47	32.5							
SP-7013	4	5.5	84		80	78	77	74	71	67	56	38							
SP-7015	5.5	7.5	97.5		92.5	90.5	88.5	86	82.5	78.5	64	44							
SP-7017	5.5	7.5	110		105	102	99	95.5	92	87.5	73	51							
SP-7018	5.5	7.5	117		111	108	104	102	97	93	77	54							
SP-7020	7.5	10	130		123	120	116.5	113	108.5	103	86	59							
SP-7023	7.5	10	149.5		141.5	137.5	133.5	129	124	118	99	69							
SP-7025	7.5	10	163		154	149	145	141	135	129	107	75							

Performance Curves



Specifications

Pump Type	motor		Q capacity 2850 rpm															
	P2	HP	m³/h	12	15	18	21	24	27	30	36	42	48	54	60			
	kW		l/min	200	250	300	350	400	450	500	600	700	800	900	1000			
SP 230-1	2.2	3		12.5	12.5	12	11.5	11	10.5	10	9	8.5	7.5	6	4.5			
SP 230-2	3	4		24	23.5	23	22.5	22	21	20	18	17	15	12	9			
SP 230-3C	3.7	5		35	34	32	31	29	28	27	24	22	19	14	10			
SP 230-3	5.5	7.5		40	39	38	37	35	34	33	29	27	23	18	24			
SP 230-4C	5.5	7.5		49	47	46	45	43	41	39	36	32	28	23	17			
SP 230-4	7.5	10		52.5	51	49	47.5	45.5	44	42	39	36	31	25.5	19			
SP 230-5	7.5	10		65	63	61	59	57	55	53	48	44	39	32	24			
SP 230-6	9.3	12.5		78	76	73.5	71	68.5	66	63	59	54	47.5	38.5	28.5			
SP 230-7	11	15		94	92	88	85	82	79	76	70	64	57	47	37			
SP 230-8C	11	15		100	98	95	92	88	85	82	76	69	61	51	39			
SP 230-8	13	17.5		106.5	104	101	97	93.5	90	86	79	72.5	64	53.5	42			
SP 230-9	15	20		120	117	113.5	109.5	106	102	98	91.5	84.5	74.5	61.5	47			
SP 230-10	15	20		133	130	127	122	117	112	107	98	90	80	67	53			
SP 230-11	18.5	25		146	142	138	133	128	124	119.5	111.5	103	91	76	58.5			
SP 230-12	18.5	25		158	155	150	145	140	135	130	120	110	98	83	64			
SP 230-13	22	30		172	168.5	164	158	152	146	140	130	119.5	106	88.5	69			
SP 230-14	22	30		187	183	177	171	164	157.5	151	140	129	115	96.5	75			
SP 230-15	22	30		200	195	189	183	176	169	163	150	138	124	103	81			
SP 230-16	26	35		213.5	209	203	196	189	181.5	174	161.5	149	133.5	113	90			
SP 230-17	26	35		227	222	215	208	200	193	186	172	158	143	121	96			
SP 230-18	30	40		240	235	228.5	221	212.5	204	196	182	168	150	127	101			
SP 230-19	30	40		254	248	241	233	224	216	208	193	178	160	136	107			
SP 230-20	30	40		267	261.5	254.5	246	237.5	228	219	203	187	167	142	111.5			
SP 230-21	37	50		280	275	267.5	259	249.5	239.5	230	212	194.5	174	148	117			
SP 230-22	37	50		294	288	280	270	260	251	241	222	203	183	155	123			
SP 230-23	37	50		307	300.5	292.5	283	273	262	252	232	212.5	189	160.5	128.5			
SP 230-24	37	50		325	317	309	298	287	276	265	244	223	199	171	140			
SP 230-26	45	60		343	334.5	324	313	302	292	283	267	251	229.5	200	165			
SP 230-28	45	60		379.5	373	365	356	346	336	325.5	305	283	256.5	223	184			
SP 230-30	45	60		398	392.5	385	375	364.5	353	341.5	320	297.5	270.5	235.5	195			
SP 230-33	55	75		458.5	452	443	431	416	400	385	361.5	340	313	274	223			
SP 230-35	55	75		493	484.5	473	458.5	441	424	408	383	360.5	332	290.5	236.5			
SP 230-37	63	85		523	513	500	484	466	447.5	431	405	381	351	308	250			

*Higher pressure, longer stages pumps up to 37 stages are available on request.

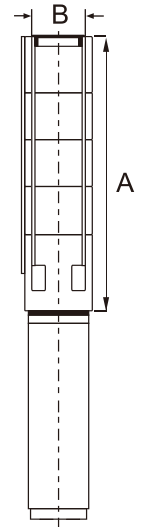
Dimensions and Weights

Pump Type	Motor		motor Dia.	Dimensions (mm)				Net Weight (kg) Pump
	P2	HP		A	B	C*	C**	
SP 230-1	2.2	3	4"	364		146		6.9
SP 230-2	3	4	4"	477		146		9.2
SP 230-3C	3.7	5	4"	590		146		11.5
SP 230-3	5.5	7.5	4"	590		146		11.5
SP 230-4C	5.5	7.5	4"	703		146		13.8
SP 230-4	7.5	10	6"	722		149	152	13.8
SP 230-5	7.5	10	6"	835		149	152	16
SP 230-6	9.3	12.5	6"	948		149	152	18.3
SP 230-7	11	15	6"	1061		149	152	20.6
SP 230-8C	11	15	6"	1174		149	152	22.9
SP 230-8	13	17.5	6"	1174		149	152	22.9
SP 230-9	15	20	6"	1287		149	152	25.2
SP 230-10	15	20	6"	1400		149	152	27.4
SP 230-11	18.5	25	6"	1513		149	152	29.7
SP 230-12	18.5	25	6"	1626		149	152	32
SP 230-13	22	30	6"	1739		149	152	34.3
SP 230-14	22	30	6"	1852		149	152	36.6
SP 230-15	22	30	6"	1965		149	152	38.8
SP 230-16	26	35	6"	2078		149	152	41.1
SP 230-17	26	35	6"	2191		149	152	43.4
SP 230-18	30	40	6"	2304		149	152	45.7
SP 230-19	30	40	6"	2417		149	152	47.9
SP 230-20	30	40	6"	2530		149	152	50.2
SP 230-21	37	50	6"	2643		149	152	52.5
SP 230-22	37	50	6"	2756		149	152	54.8
SP 230-23	37	50	6"	2869		149	152	57.1
SP 230-24	37	50	6"	2982		149	152	59.3
SP 230-26	45	60	8"	3537		192	192	130.4
SP 230-28	45	60	8"	3763		192	192	137.9
SP 230-30	45	60	8"	3989		192	192	146
SP 230-33	55	75	8"	4328		192	192	158.4
SP 230-35	55	75	8"	4554		192	192	166.2
SP 230-37	63	85	8"	4780		192	192	174

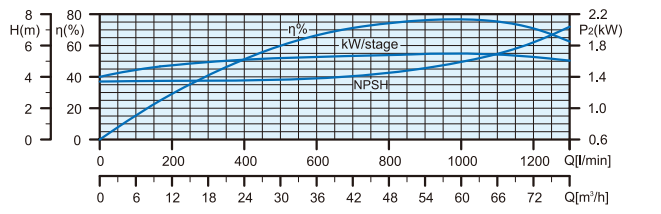
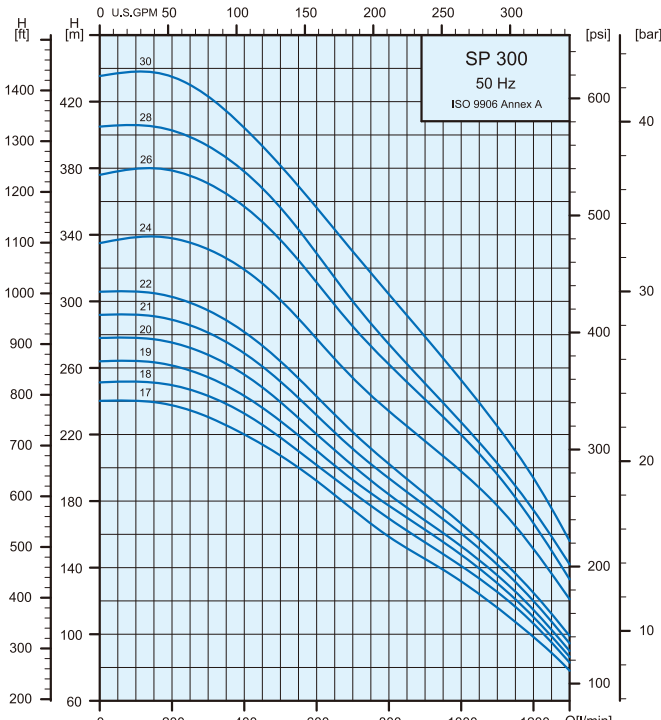
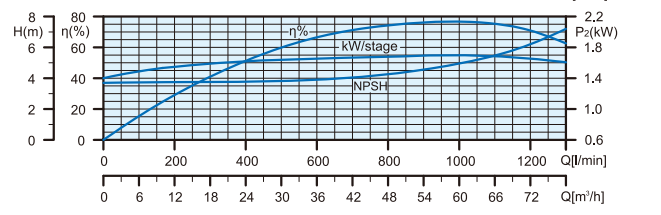
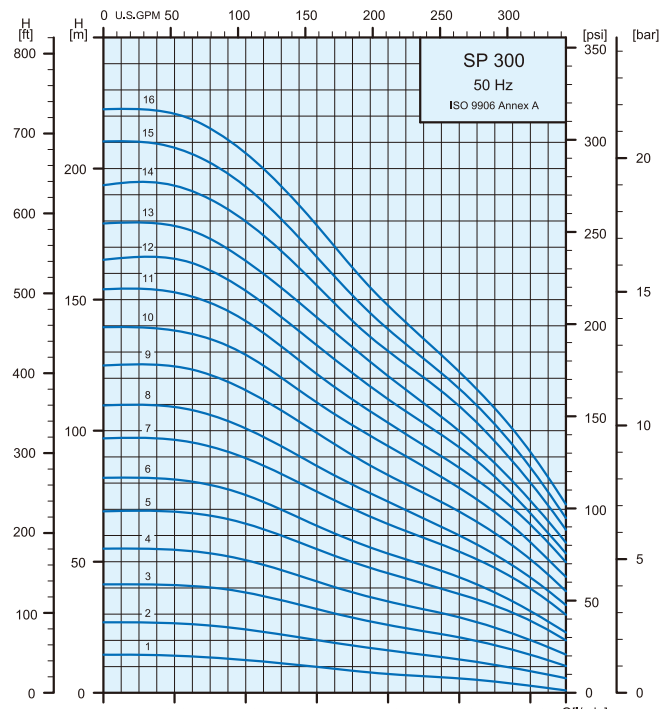
C*: Maximum diameter of pump with one motor cable

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

SP-23026 to SP-23037 are mounted in sleeve for R 4 connection



Performance Curves



Specifications

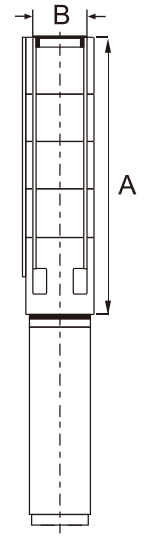
Pump Type	motor		m³/h l/min	Q capacity 2850 rpm														
	P2 kW	HP		18	21	24	27	30	36	42	48	54	60	66	72	78		
SP 300-1	2.2	3	13	12.5	12	11.5	11	10	8	7	6	5	4	2	1			
SP 300-2	3.7	5	26	25	24	23	22	20	18	16	14	13	11	8	5			
SP 300-3	5.5	7.5	40	39	38	37	36	32	28	26	24	21	18	14	10			
SP 300-4	7.5	10	53	52	51	48	47	43	38	35	32	28	25	20	14			
SP 300-5	9.3	12.5	67	66	64	62	60	55	50	46	42	38	33	27	19			
SP 300-6	11	15	79	78	76	73	70	64	58	53	48	44	38	32	23			
SP 300-7	13	17.5	94	92	89	86	84	77	70	64	59	54	47	40	29			
SP 300-8	15	20	106	104	101	97	94	87	80	73	67	60	53	44	33			
SP 300-9	18.5	25	122	118	116	112	108	99	91	83	76	69	61	51	38			
SP 300-10	18.5	25	135	132	128	125	120	111	102	95	87	78	68	57	45			
SP 300-11	22	30	148	146	142	137	132	122	112	103	95	86	76	64	49			
SP 300-12	22	30	162	157	153	148	143	133	122	112	103	94	83	68	53			
SP 300-13	26	35	173	169	165	160	155	143	132	121	110	100	87	73	57			
SP 300-14	26	35	188	184	180	175	168	156	142	130	120	109	96	80	63			
SP 300-15	26	35	203	197	193	187	180	166	152	138	127	116	103	86	67			
SP 300-16	30	40	216	211	206	200	193	178	162	148	135	123	108	92	72			
SP 300-17	37	50	230	226	220	214	207	192	175	158	145	132	116	97	78			
SP 300-18	37	50	243	238	233	226	218	202	185	170	155	141	126	107	83			
SP 300-19	37	50	254	249	243	236	228	210	193	177	162.5	148	130.5	110	86			
SP 300-20	37	50	267	263	256	248	239	220	201	184	168	153	136	115	90			
SP 300-21	37	50	281	275.5	269	261	252	231.5	211	193.5	177	161	142	120	94.5			
SP 300-22	37	50	294.5	288.5	281.5	273	264	243	221	202	184	166.5	147	125	99			
SP 300-24	45	60	331	325.5	319	311	301	277.5	254	234	216	197.5	177	151	121			
SP 300-26	55	75	371	364.5	357	348	337	311.5	285	262	241	220	196	167	133			
SP 300-28	55	75	393	386	378	368	356.5	329	300	274	250.5	227	202.5	174.5	142			
SP 300-30	55	75	423	414.5	404	393	381	356	330	304	279	253	225	194	156			

*Higher pressure, longer stages pumps up to 30 stages are available on request.

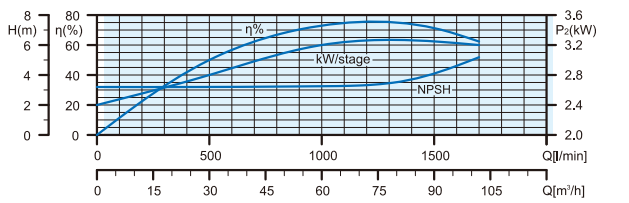
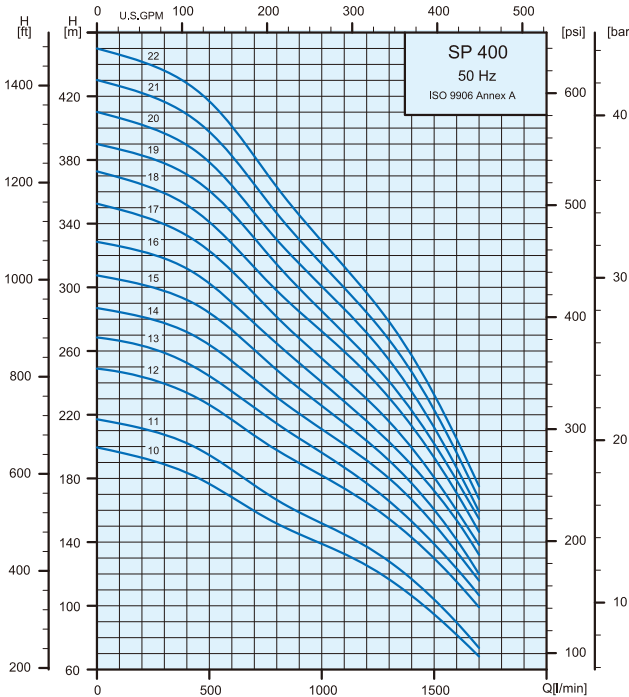
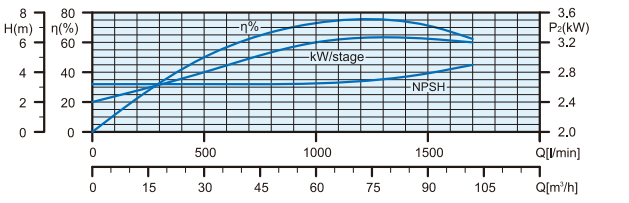
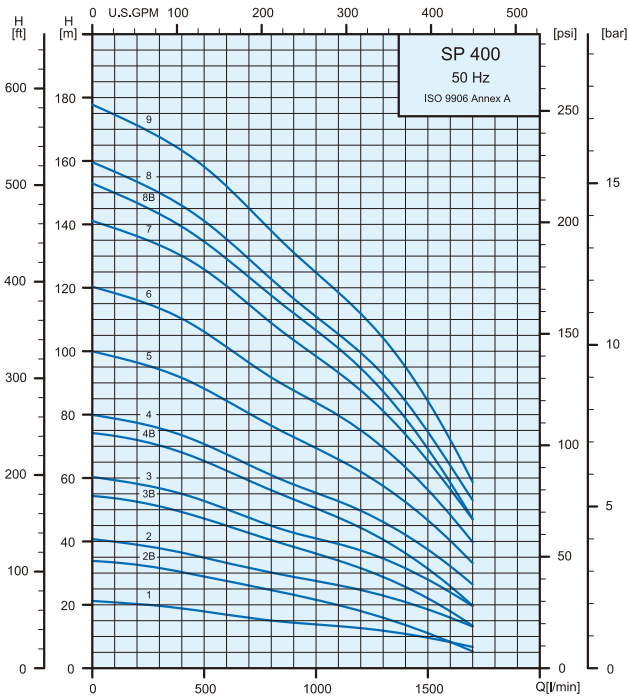
Dimensions and Weights

Pump Type	Motor		motor Dia.	Dimensions(mm)				Net Weight (Kg)	
	P2 kW	HP		A	B	C*	C**	Pump	Pump
SP 300-1	2.2	3	4"	364		146		6.9	6.9
SP 300-2	3.7	5	4"	477		146		9.2	9.2
SP 300-3	5.5	7.5	4"	590		146		11.5	11.5
SP 300-4	7.5	10	6"	722		149	152	13.7	13.7
SP 300-5	9.3	12.5	6"	835		149	152	16.0	16.0
SP 300-6	11	15	6"	948		149	152	18.3	18.3
SP 300-7	13	17.5	6"	1061		149	152	20.6	20.6
SP 300-8	15	20	6"	1174		149	152	22.9	22.9
SP 300-9	18.5	25	6"	1287		149	152	25.1	25.1
SP 300-10	18.5	25	6"	1400		149	152	27.4	27.4
SP 300-11	22	30	6"	1513		149	152	29.7	29.7
SP 300-12	22	30	6"	1626		149	152	32.0	32.0
SP 300-13	26	35	6"	1739		149	152	34.3	34.3
SP 300-14	26	35	6"	1852		149	152	36.5	36.5
SP 300-15	26	35	6"	1965		149	152	38.8	38.8
SP 300-16	30	40	6"	2078		149	152	41.1	41.1
SP 300-17	37	50	6"	2191		149	152	43.4	43.4
SP 300-18	37	50	6"	2304		149	152	45.7	45.7
SP 300-19	37	50	6"	2417		149	152	48.0	48.0
SP 300-20	37	50	6"	2530		149	152	50.2	50.2
SP 300-21	37	50	6"	2643		149	152	52.5	52.5
SP 300-22	37	50	8"	2784		183	183	60.2	60.2
SP 300-24	45	60	8"	3311		192	192	125.1	125.1
SP 300-26	55	75	8"	3537		192	192	132.4	132.4
SP 300-28	55	75	8"	3763		192	192	139.9	139.9
SP 300-30	55	75	8"	3989		192	192	146.0	148.0

C*: Maximum diameter of pump with one motor cable
 C**: Maximum diameter of pump with two motor cable
 SP-30024 to SP-30030 are mounted in sleeve for R 4 connection



Performance Curves



Specifications

Pump Type	motor		m3/h l/min	Q capacity 2850 rpm													
	P2			12	18	24	30	36	42	48	54	66	78	90	102		
	kW	HP		200	300	400	500	600	700	800	900	1100	1300	1500	1700		
SP 400-1	5,5	7,5	20	19,5	19	18	17	16	15	14	13	12	9	7			
SP 400-2B	5,5	7,5	33	32	30	28	27	26	25	23	20	16	11	6			
SP 400-2	7,5	10	38	37	36	35	33	32	30	28	26	23	18	13			
SP 400-3B	9,3	12,5	53	51	49	47	45	43	40	38	34	28	22	13			
SP 400-3	11	15	58	57	55	53	50	47	45	43	39	35	28	20			
SP 400-4B	13	17,5	72	70	68	65	62	59	56	53	47	40	31	20			
SP 400-4	15	20	77	76	74	71	67	64	61	58	53	46	37	27			
SP 400-5	18,5	25	96	94	92	88	84	80	76	73	66	57	46	33			
SP 400-6	22	30	116	113	110	106	101	96	92	88	80	70	56	40			
SP 400-7	26	35	136	133	130	126	120	115	109	104	93	81	65	47			
SP 400-8B	26	35	147	143	139	134	129	123	117	112	101	87	69	47			
SP 400-8	30	40	153	150	146	141	135	129	123	117	105	93	75	53			
SP 400-9	30	40	171	167	163	158	152	145	138	131	118	104	84	58			
SP 400-10	37	50	193	188	183	177	168	160	152	145	132	117	94	68			
SP 400-11	37	50	211	207	202	195	186	176	167	159	145	128	104	74			
SP 400-12	45	60	244	240	234	227	217	207	198	190	173	154	130	99			
SP 400-13	55	75	263	259	252	244	235	224	214	205	187	166	139	107			
SP 400-14	55	75	281,5	277,5	272	264	253,5	242	231	220,5	201	180	151	115,5			
SP 400-15	55	75	302	298	292	284	273	260	248	237	215	191	160	120			
SP 400-16	63	85	322	318	312	302	290	278	265	252	228	202	172	132			
SP 400-17	63	85	344,5	339,5	332,5	323	310	296	281	268	243	215,5	180,5	138			
SP 400-18	63	85	365	359	352	341	328	312	298	285	260	230	193	147			
SP 400-19	75	100	383	378	371	360,5	347	331	314	299	271	241	202	154,5			
SP 400-20	75	100	402	397	389	379	364	347	330	315	287	254	212	159			
SP 400-21	75	100	422	416	409	397,5	382,5	364,5	346,5	330	299,5	267	223	167			
SP 400-22	93	125	441,5	436	428	417	401	382	363	345	313	278	232,5	175			

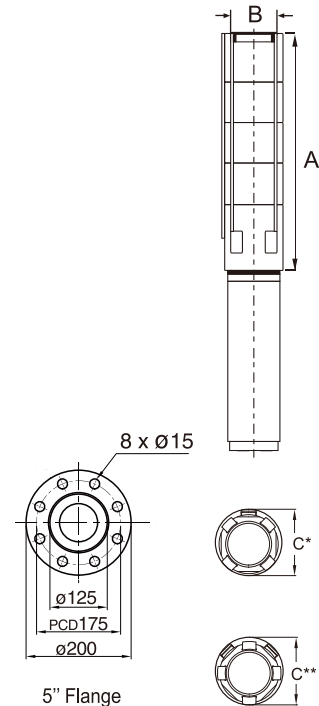
*Higher pressure, longer stages pumps up to 22 stages are available on request.

Dimensions and Weights

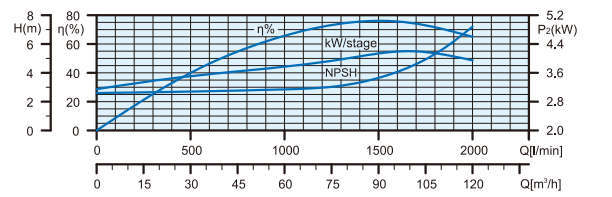
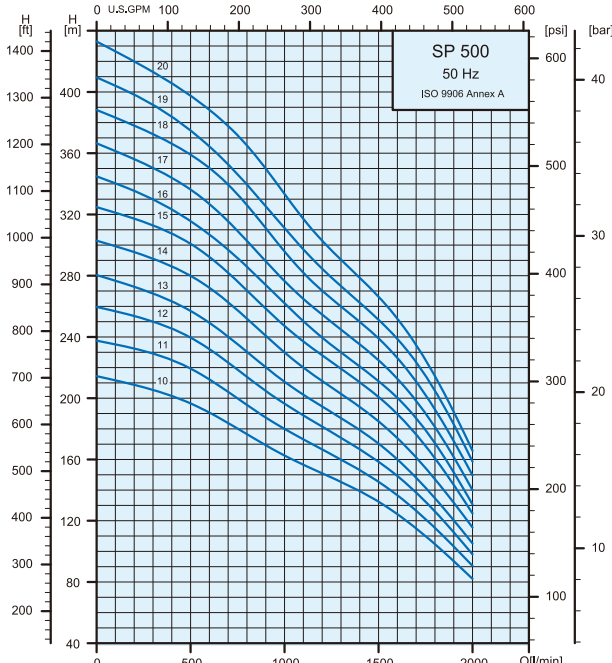
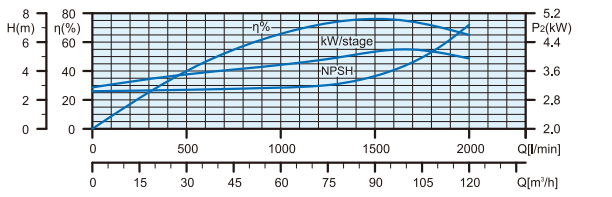
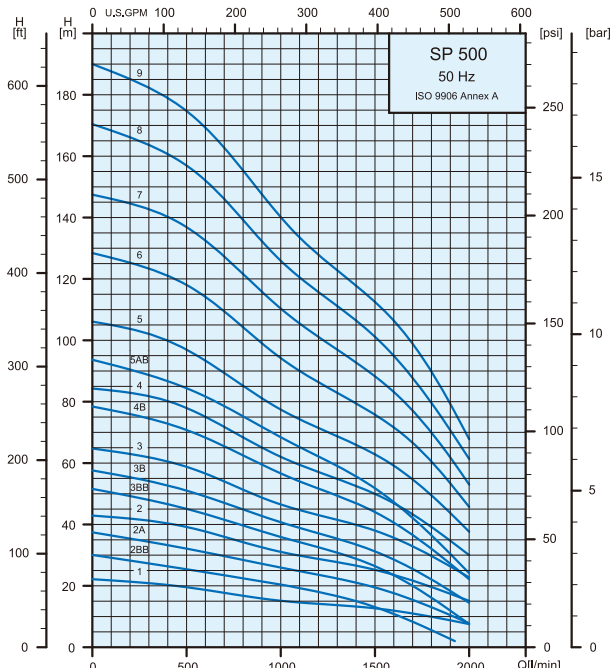
Pump Type	Motor		motor Dia.	Dimensions(mm)						Net Weight(Kg)	
	P2			(B) 5" Connection(RP,NPT)			(B) 5" Flange			Pump	
	kW	HP		A	C*	C**	A	C*	C**		
SP 400-1	5,5	7,5	6"	618	178	186	618	200	200	25,1	
SP 400-2B	5,5	7,5	6"	746	178	186	746	200	200	28,7	
SP 400-2	7,5	10	6"	746	178	186	746	200	200	28,7	
SP 400-3B	9,3	12,5	6"	874	178	186	874	200	200	32,3	
SP 400-3	11	15	6"	874	178	186	874	200	200	32,3	
SP 400-4B	13	17,5	6"	1003	178	186	1003	200	200	35,9	
SP 400-4	15	20	6"	1003	178	186	1003	200	200	35,9	
SP 400-5	18,5	25	6"	1131	178	186	1131	200	200	39,5	
SP 400-6	22	30	6"	1259	178	186	1259	200	200	43	
SP 400-7	26	35	6"	1387	178	186	1387	200	200	46,6	
SP 400-8B	26	35	6"	1515	178	186	1515	200	200	50,2	
SP 400-8	30	40	6"	1515	178	186	1515	200	200	50,2	
SP 400-9	30	40	6"	1644	178	186	1644	200	200	53,8	
SP 400-10	37	50	6"	1772	178	186	1772	200	200	57,4	
SP 400-11	37	50	6"	1900	178	186	1900	200	200	61	
SP 400-12	45	60	8"	2039	200	204	2039	209	209	67	
SP 400-13	55	75	8"	2168	200	204	2168	209	209	70,6	
SP 400-14	55	75	8"	2296	200	204	2296	209	209	74,2	
SP 400-15	55	75	8"	2424	200	204				77,8	
SP 400-16	63	85	8"	2552	200	204				81,4	
SP 400-17	63	85	8"	2680	200	204				85,2	
SP 400-18	63	85	8"	2809	200	204				88,6	
SP 400-19	75	100	8"	2937	200	204				92,2	
SP 400-20	75	100	8"	3065	200	204				95,8	
SP 400-21	75	100	8"	3193	200	204				99,4	
SP 400-22	93	125	8"	3321	200	204				103	

C*: Maximum diameter of pump with one motor cable

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



Performance Curves



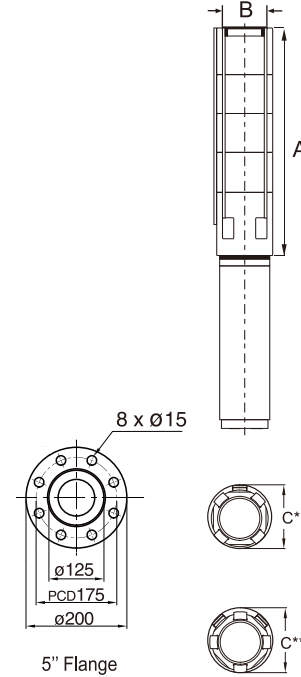
Specifications

Pump Type	motor		m³/h	Q capacity 2850 rpm											
	P2			18	24	30	36	42	48	60	72	84	96	108	120
	kW	HP													
SP 500-1	5,5	7,5	21	20	19	18	17,5	17	15	14	13	12	10	8	
SP 500-2BB	5,5	7,5	27	26	25	24	23	22	20	18	15	11	5	-	
SP 500-2A	7,5	10	34	33	32	31	30	28	26	24	21	17	13	8	
SP 500-2	9,3	12,5	41	40	39	37	36	34	31	29	26	23	20	15	
SP 500-3BB	9,3	12,5	48	46	45	43	41	40	36	33	28	23	16	8	
SP 500-3B	11	15	54	53	51	49	47	45	41	37	33	28	22	15	
SP 500-3	13	17,5	62	60	59	57	54	51	47	43	40	35	30	23	
SP 500-4B	15	20	74	73	71	68	65	62	56	52	47	40	32	22	
SP 500-4	18,5	25	82	80	78	75	72	68	62	57	53	47	39	30	
SP 500-5AB	18,5	25	89	87	84	82	78	75	68	62	55	47	36	25	
SP 500-5	22	30	102	100	97	94	90	85	77	72	66	59	50	38	
SP 500-6	26	35	123	121	118	114	110	104	94	86	79	72	60	46	
SP 500-7	30	40	143	140	137	132	127	121	110	101	93	83	70	53	
SP 500-8	37	50	164	160	157	152	146	139	126	116	106	95	80	62	
SP 500-9	37	50	182	179	175	169	163	155	140	128	118	106	90	68	
SP 500-10	45	60	206	201	197	190	183	177	162	150	140	124	105	82	
SP 500-11	55	75	230	225	220	212	204	196	180	167	152	137	116	90	
SP 500-12	55	75	250	245	240	231	222	214	197	181	167	150	126	99	
SP 500-13	55	75	268	263	258	250	240	230	210	195	180	160	135	106	
SP 500-14	63	85	291	286	280	271	261	251	230	210	194	174	147	116	
SP 500-15	75	100	312	308	300	292	281	270	248	228	210	190	160	126	
SP 500-16	75	100	330	323	315,5	307	297	286	261,5	239,5	220,5	200	170,5	130,5	
SP 500-17	75	100	350	344	336	327	316	302	277	255	235	212	180	140	
SP 500-18	93	125	372	366	360	350	340	326	296	270	250	227	192	150	
SP 500-19	93	125	391,5	384	374,5	364	352,5	339	311	284,5	262	238,5	205	158,5	
SP 500-20	93	125	412	406	397	388	378	365	333	302	279	251	214	166	

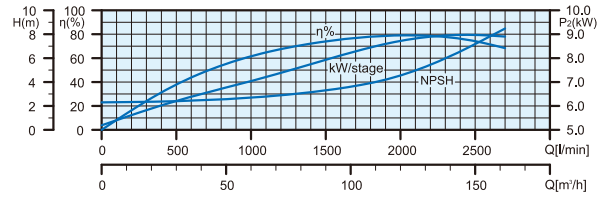
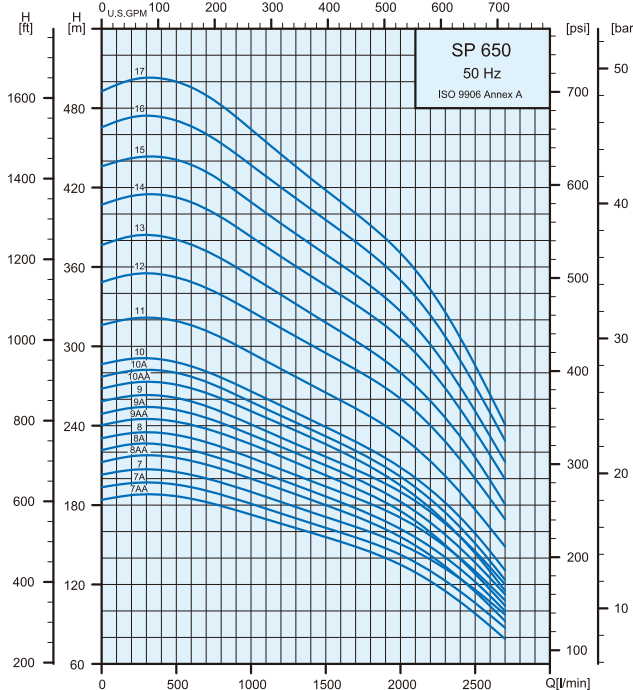
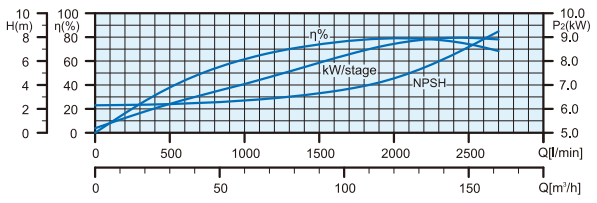
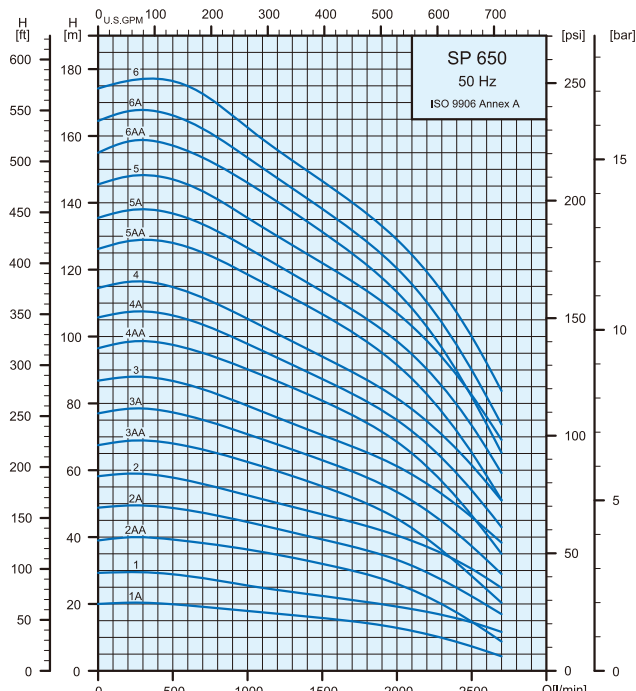
Dimensions and Weights

Pump Type	Motor		motor Dia.	Dimensions (mm)			Net Weight (Kg)			
	P2			5" Connection (RP, NPT)						
	kW	HP		(B) A	C*	(B) 5" Flange C**				
SP 500-1	5,5	7,5	6"	618	178	186	618	200	200	25,1
SP 500-2BB	5,5	7,5	6"	746	178	186	746	200	200	28,7
SP 500-2A	7,5	10	6"	746	178	186	746	200	200	28,7
SP 500-2	9,3	12,5	6"	746	178	186	746	200	200	28,7
SP 500-3BB	9,3	12,5	6"	874	178	186	874	200	200	32,3
SP 500-3B	11	15	6"	874	178	186	874	200	200	32,3
SP 500-3	13	17,5	6"	874	178	186	874	200	200	32,3
SP 500-4B	15	20	6"	1003	178	186	1003	200	200	35,9
SP 500-4	18,5	25	6"	1003	178	186	1003	200	200	35,9
SP 500-5AB	18,5	25	6"	1131	178	186	1131	200	200	39,5
SP 500-5	22	30	6"	1131	178	186	1131	200	200	39,5
SP 500-6	26	35	6"	1259	178	186	1259	200	200	43
SP 500-7	30	40	6"	1387	178	186	1387	200	200	46,6
SP 500-8	37	50	6"	1515	178	186	1515	200	200	50,2
SP 500-9	37	50	6"	1644	178	186	1644	200	200	53,8
SP 500-10	45	60	8"	1783	196	204	1783	205	205	60,1
SP 500-11	55	75	8"	1911	196	204	1911	205	205	63,7
SP 500-12	55	75	8"	2039	196	204	2039	205	205	67,3
SP 500-13	55	75	8"	2168	196	204	2168	205	205	71
SP 500-14	63	85	8"	2296	196	204	2296	205	205	74,8
SP 500-15	75	100	8"	2424	196	204				78,2
SP 500-16	75	100	8"	2552	196	204				81,8
SP 500-17	75	100	8"	2680	196	204				85,4
SP 500-18	93	125	8"	2809	196	204				89
SP 500-19	93	125	8"	2937	196	204				92,6
SP 500-20	93	125	8"	3065	196	204				96,2

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



Performance Curves



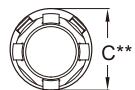
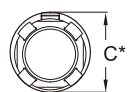
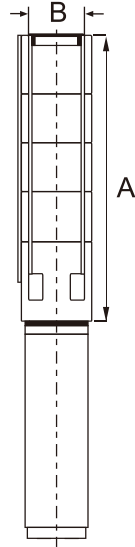
Specifications

Pump Type	Motor				m³/m l/min	Q capacity 2850 rpm												
	P2		Max. current			HEAD IN METERS												
	KW	HP	220V	380V		30	42	54	66	78	90	102	114	126	138	150	162	
SP 650-1-A	7,5	10	23,5	16,5	50	70	90	110	130	150	170	190	210	230	250	270		
SP 650-1	11	15	41,8	24,2	20	19	18	17	16	15	14	12	10	7	4			
SP 650-2-AA	13	17,5	50	29	29	28	26	25	24	22	20	18	17	15	12			
SP 650-2-A	18,5	25	69	40	39	38	37	36	34	32	30	28	24	20	15	9		
SP 650-2	22	30	81	47	49	48	46	44	41	39	38	35	32	28	22	17		
SP 650-2-AA	22	30	81	47	58	56	54	52	49	47	44	42	39	35	31	25		
SP 650-3-AA	22	30	81	47	68	66	64	61	58	55	52	48	43	36	29	20		
SP 650-3-A	26	35	96	56	77	75	73	69	66	63	60	56	51	45	37	29		
SP 650-3	30	40	111	64	87	89	81	78	74	71	68	63	58	53	46	39		
SP 650-4-AA	37	50	138	80	98	95	92	88	85	81	77	72	65	67	47	35		
SP 650-4-A	37	50	138	80	106	104	100	96	92	87	83	78	72	64	54	43		
SP 650-4	37	50	138	80	115	112	108	103	98	94	89	84	78	71	62	51		
SP 650-4-AA	45	60	154	89	128	125	121	116	112	107	101	95	87	78	65	51		
SP 650-5-A	45	60	154	89	137	133	129	124	119	114	108	102	95	85	73	59		
SP 650-5	55	75	192	111	147	144	138	133	128	122	117	111	103	94	83	69		
SP 650-6-AA	55	75	192	111	157	154	149	143	138	131	125	118	108	97	82	65		
SP 650-6-A	55	75	192	111	166	162	156	151	144	138	132	125	116	104	90	74		
SP 650-6	63	85	240	139	176	173	166	159	153	147	140	133	124	114	100	84		
SP 650-7-AA	63	85	240	139	187	183	176	170	163	156	148	140	129	115	98	79		
SP 650-7-A	63	85	240	139	196	191	185	178	170	163	155	146	137	123	106	83		
SP 650-7	75	100	256	148	205	200	194	186	178	171	164	155	145	132	116	96		
SP 650-8-AA	75	100	256	148	216	211	204	196	188	180	172	162	149	134	115	93		
SP 650-8-A	75	100	256	148	224	218	212	204	195	187	178	168	156	141	122	100		
SP 650-8	75	100	256	148	233	227	220	212	203	194	186	176	165	149	130	108		
SP 650-9-AA	93	125	335	194	243	238	230	221	212	203	193	182	168	150	128	104		
SP 650-9-A	93	125	335	194	252	245	237	228	219	210	200	189	175	158	137	113		
SP 650-9	93	125	335	194	261	255	246	236	226	217	207	196	183	166	145	120		
SP 650-10-AA	93	125	335	194	271	265	256	246	236	226	215	203	186	167	144	115		
SP 650-10-A	93	125	335	194	280	273	264	253	243	232	221	209	193	175	151	123		
SP 650-10	93	125	335	194	288	281	271	261	250	239	227	215	201	182	159	131		
SP 650-11	110	150	390	226	319	312	301	289	277	265	254	240	223	202	177	149		
SP 650-12	132	175			352	345	333	320	306	295	283	269	251	228	200	169		
SP 650-13	132	175			361	372	360	346	332	318	304	289	270	246	216	180		
SP 650-14	147	200			413	404	390	375	361	346	332	316	295	269	236	200		
SP 650-15	147	200			441	431	417	401	385	370	354	336	315	286	251	213		
SP 650-16	170	230			471	460	445	428	412	396	379	361	338	308	270	229		
SP 650-17	170	230			500	490	473	455	436	418	406	382	358	325	286	241		

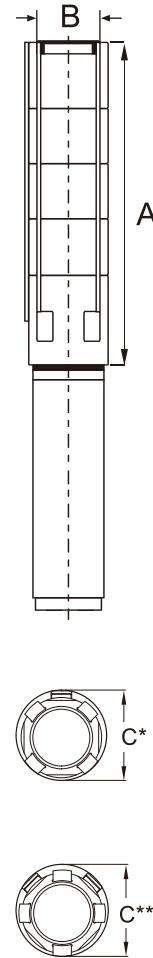
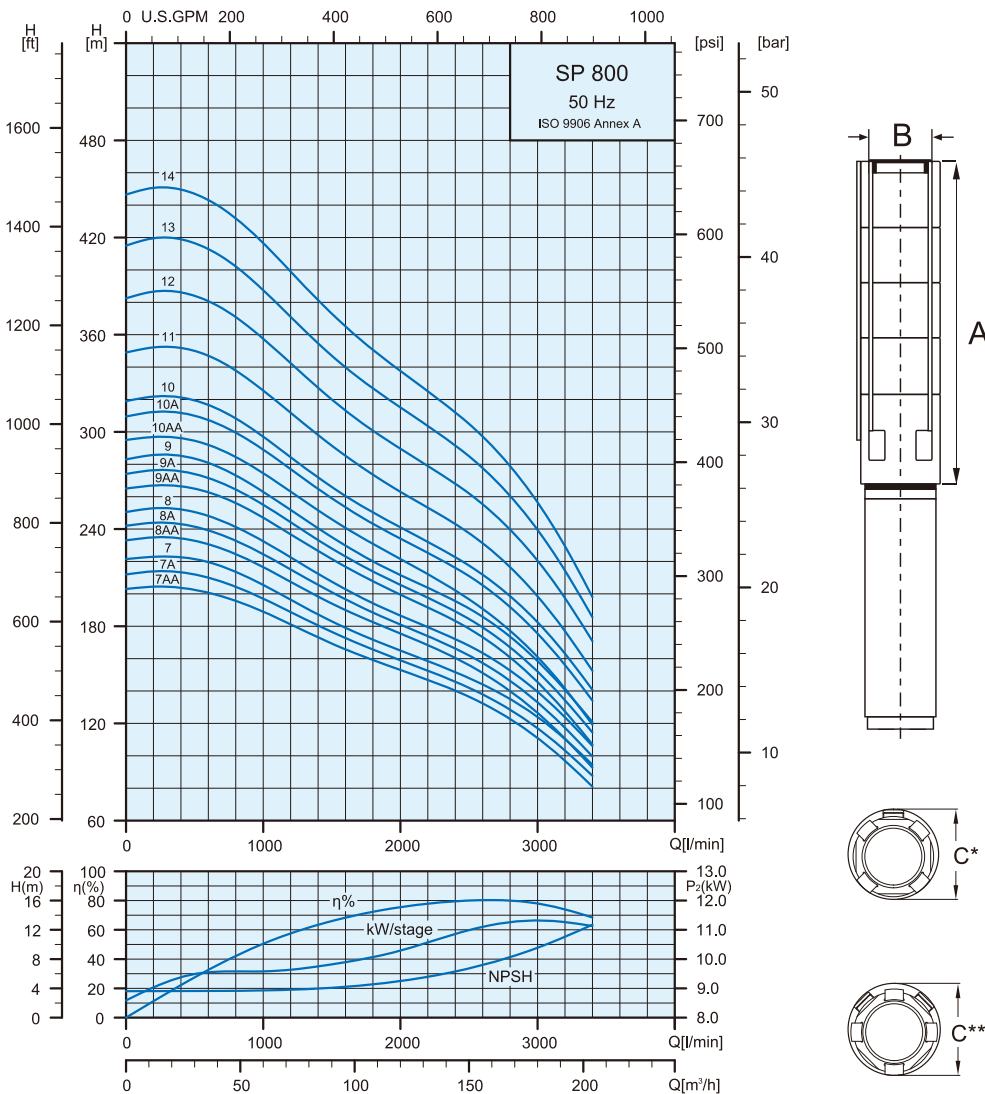
Dimensions and Weights

Pump Type	motor Dia.	Dimension [mm]			Net weight [kg]
		A	C*	C**	
SP 650-1-A	6"	652	211	218	29,2
SP 650-1	6"	652	211	218	29,26
SP 650-2-AA	6"	807	211	218	35,64
SP 650-2-A	6"	807	211	218	35,7
SP 650-2	6"	807	211	218	35,76
SP 650-3-AA	6"	963	211	218	42,14
SP 650-3-A	6"	963	211	218	42,2
SP 650-3	6"	963	211	218	42,26
SP 650-4-AA	6"	1118	211	218	48,64
SP 650-4-A	6"	1118	211	218	48,7
SP 650-4	6"	1118	211	218	48,76
SP 650-5-AA	6"	1274	211	218	55,14
SP 650-5-A	6"	1274	211	218	55,2
SP 650-5	6"	1274	211	218	55,26
SP 650-6-AA	8"	1429	213	218	61,94
SP 650-6-A	8"	1429	213	218	62,0
SP 650-6	8"	1429	218	227	62,06
SP 650-7-AA	8"	1585	218	227	66,94
SP 650-7-A	8"	1585	218	227	67,0
SP 650-7	8"	1585	218	227	67,06
SP 650-8-AA	8"	1740	218	227	71,94
SP 650-8-A	8"	1740	218	227	72,0
SP 650-8	8"	1740	218	227	72,06
SP 650-9-AA	8"	1896	218	227	76,94
SP 650-9-A	8"	1896	218	227	77,0
SP 650-9	8"	1896	218	227	77,06
SP 650-10-AA	8"	2051	218	227	81,94
SP 650-10-A	8"	2051	218	227	82,0
SP 650-10	8"	2051	218	227	82,06
SP 650-11	8"	2207	218	227	87,06
SP 650-12	10"	2492	227	247	109,5
SP 650-13	10"	2648	227	247	116,0
SP 650-14	10"	2803	227	247	122,5
SP 650-15	10"	2959	227	247	129,0
SP 650-16	10"	3114	227	247	135,5
SP 650-17	10"	3270	227	247	142

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



Performance Curves



Dimensions and Weights

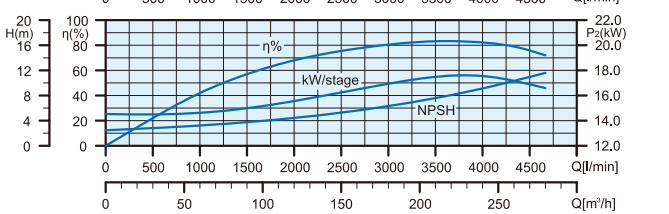
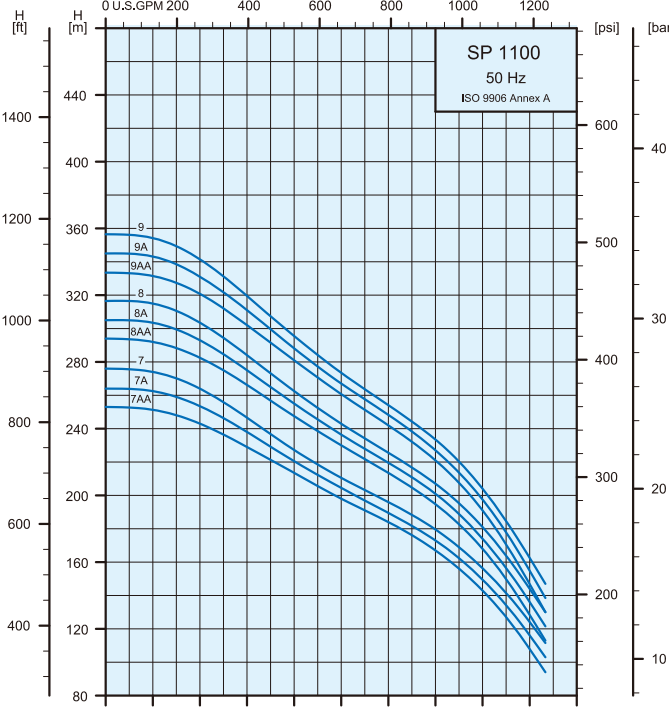
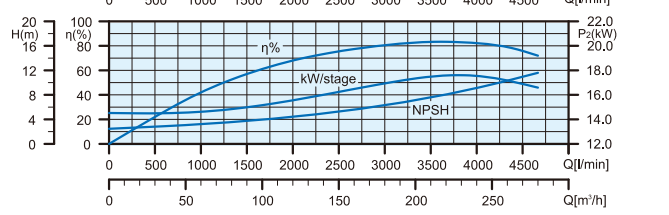
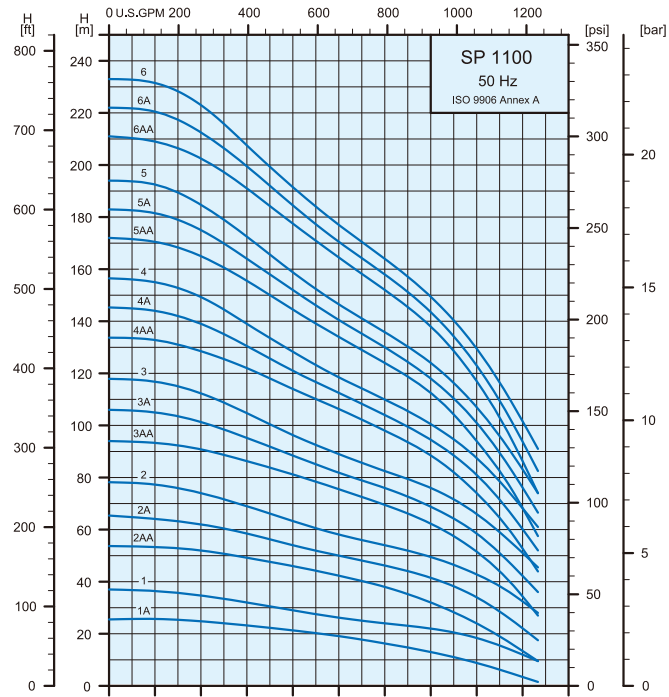
Specifications

Pump Type	motor Dia.	Dimension [mm]			Net weight [kg]
		B 6" Connection (RP, NPT)	A	C*	
SP 800-1-A	6"	652	211	218	30,40
SP 800-1	6"	652	211	218	30,40
SP 800-2-AA	6"	807	211	218	36,74
SP 800-2-A	6"	807	211	218	36,82
SP 800-2	6"	807	211	218	36,82
SP 800-3-AA	6"	963	211	218	43,16
SP 800-3-A	6"	963	211	218	43,24
SP 800-3	6"	963	211	218	43,24
SP 800-4-AA	8"	1118	218	227	50,90
SP 800-4-A	8"	1118	218	227	50,98
SP 800-4	8"	1118	218	227	50,98
SP 800-5-AA	8"	1274	218	227	57,32
SP 800-5-A	8"	1274	218	227	57,40
SP 800-5	8"	1274	218	227	57,40
SP 800-6-AA	8"	1429	218	227	63,74
SP 800-6-A	8"	1429	218	227	63,82
SP 800-6	8"	1429	218	227	63,82
SP 800-7-AA	8"	1585	218	227	70,16
SP 800-7-A	8"	1585	218	227	70,24
SP 800-7	8"	1585	218	227	70,24
SP 800-8-AA	8"	1740	218	227	76,58
SP 800-8-A	8"	1740	218	227	76,66
SP 800-8	8"	1740	218	227	76,66
SP 800-9-AA	8"	1896	218	227	83,00
SP 800-9-A	8"	1896	218	227	83,08
SP 800-9	8"	1896	218	227	83,08
SP 800-10-AA	8"	2051	218	227	89,42
SP 800-10-A	10"	2181	227	247	102,62
SP 800-10	10"	2181	227	247	102,62
SP 800-11	10"	2337	227	247	109,04
SP 800-12	10"	2492	227	247	115,46
SP 800-13	10"	2648	227	247	121,88
SP 800-14	10"	2803	227	247	128,30

Pump Type	Motor		Max. current		m³/h	Q capacity 2850 rpm											
	P2	HP	220V	380V		l/min	36	54	72	90	108	126	144	162	180	198	
SP 800-1-A	9,3	12,5	36	20,9	21	20	19	17	16	15	13	12	8	5			
SP 800-1	13	17,5	50	29	32	31	28	25	24	22	20	19	17	14			
SP 800-2-AA	18,5	25	69	40	43	41	39	36	34	32	29	25	19	12			
SP 800-2-A	22	30	81	47	53	51	48	44	41	38	35	32	27	20			
SP 800-2	26	35	96	56	63	60	56	51	48	45	42	38	34	28			
SP 800-3-AA	30	40	111	64	75	72	68	63	59	55	50	45	37	28			
SP 800-3-A	37	50	138	80	85	81	76	71	66	62	58	52	45	36			
SP 800-3	37	50	138	80	94	89	83	78	72	68	64	59	52	43			
SP 800-4-AA	45	60	154	89	108	104	98	91	85	80	75	68	57	45			
SP 800-4-A	45	60	154	89	117	112	105	98	92	86	81	74	65	52			
SP 800-4	55	75	192	111	128	122	114	106	99	94	88	81	73	61			
SP 800-5-AA	55	75	192	111	139	134	126	118	110	104	97	88	75	60			
SP 800-5-A	55	75	192	111	148	142	134	125	117	110	103	94	82	67			
SP 800-5	63	85	240	139	158	152	142	132	124	117	110	102	90	76			
SP 800-6-AA	63	85	240	139	170	163	154	144	135	127	119	108	93	75			
SP 800-6-A	75	100	256	148	180	173	162	152	142	133	125	115	101	83			
SP 800-6	75	100	256	148	190	182	170	158	148	140	132	122	108	90			
SP 800-7-AA	75	100	256	148	200	193	181	169	159	150	140	128	111	89			
SP 800-7-A	93	125	335	194	210	201	188	177	166	156	146	134	117	96			
SP 800-7	93	125	335	194	220	210	196	183	172	162	152	140	124	102			
SP 800-8-AA	93	125	335	194	230	220	208	194	183	172	160	146	126	102			
SP 800-8-A	93	125	335	194	239	229	215	201	189	177	167	152	133	108			
SP 800-8	93	125	335	194	248	237	222	208	194	183	172	158	140	115			
SP 800-9-AA	110	150	390	226	263	252	237	222	208	196	183	167	146	117			
SP 800-9-A	110	150	390	226	272	260	244	228	214	202	189	174	152	124			
SP 800-9	110	150	390	226	281	268	252	235	220	207	196	180	159	131			
SP 800-10-AA	110	150	390	226	292	280	263	246	231	217	202	184	161	131			
SP 800-10-A	132	175			307	295	277	259	244	230	216	199	176	145			
SP 800-10	132	175			317	303	284	266	250	236	223	205	182	152			
SP 800-11	132	175			347	332	312	292	274	258	243	224	199	165			
SP 800-12	147	200			380	365	342	320	301	285	268	248	221	184			
SP 800-13	170	230			413	395	371	347	327	309	292	269	240	200			
SP 800-14	170	230			443	425	399	373	350	332	312	288	257	213			

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

Performance Curves



Specifications

Pump Type	Motor		Max. current		m³/h	Q capacity 2850 rpm											
	P2	HP	220V	380V		30	45	60	75	90	120	150	180	210	240	270	
SP 1100-1-A	15	20	55	32	26	25.5	25	24	23	21	19	16	13	9	4		
SP 1100-1	18.5	25	69	40	36.5	36	35	33	32	29	26	24	22	18	12		
SP 1100-2-AA	30	40	111	64	53	52.5	52	50	49	46	42	38	32	24	14		
SP 1100-2-A	37	50	138	80	64	63	62	60	58	54	50	46	41	34	22		
SP 1100-2	45	60	154	89	77	76	74	71	69	63	58	54	49	42	32		
SP 1100-3-AA	55	75	192	111	93	92	90	88	86	81	75	69	62	51	34		
SP 1100-3-A	55	75	192	111	105	103	101	98	95	88	82	76	69	58	42		
SP 1100-3	63	85	240	139	117	115	112	108	104	96	89	82	76	66	51		
SP 1100-4-AA	75	100	256	148	133	131	128	125	122	114	106	98	88	74	53		
SP 1100-4-A	75	100	256	148	144	142	139	135	130	121	112	104	94	81	60		
SP 1100-4	75	100	256	148	155	152	149	144	139	128	118	110	100	87	68		
SP 1100-5-AA	93	125	335	194	170	168	165	160	155	144	134	124	112	94	68		
SP 1100-5-A	93	125	335	194	181	179	175	170	164	152	140	130	118	101	76		
SP 1100-5	93	125	335	194	192	189	184	179	172	159	146	135	124	107	83		
SP 1100-6-AA	110	150	390	226	209	206	202	197	191	178	164	152	138	117	86		
SP 1100-6-A	110	150	390	226	220	217	212	206	199	184	170	158	143	123	93		
SP 1100-6	110	150	390	226	231	228	223	216	207	191	177	164	149	129	101		
SP 1100-7-AA	132	175			251	248	243	236	229	213	198	184	167	143	108		
SP 1100-7-A	132	175			262	259	253	246	238	220	204	189	173	149	116		
SP 1100-7	132	175			274	270	264	255	246	227	210	196	180	156	124		
SP 1100-8-AA	147	200			292	288	282	274	266	247	230	213	195	168	128		
SP 1100-8-A	147	200			303	299	293	284	275	255	236	219	201	174	136		
SP 1100-8	147	200			315	310	303	294	284	262	243	225	207	181	144		
SP 1100-9-AA	170	230			331	327	320	312	302	281	260	242	221	191	146		
SP 1100-9-A	170	230			343	338	331	321	311	288	267	248	227	197	155		
SP 1100-9	170	230			354	349	341	331	319	295	273	254	233	204	162		

Dimensions and Weights

Pump Type	motor Dia.	Dimension [mm]			Net weight [kg]
		B 6" Connection (RP,NPT)			
		A	C*	C**	Pump
SP 1100-1-A	6"	771.7	237	241	46.08
SP 1100-1	6"	771.7	237	241	46.08
SP 1100-2-AA	6"	947.7	237	241	56.12
SP 1100-2-A	6"	947.7	237	241	56.12
SP 1100-2	8"	947.7	237	241	55.78
SP 1100-3-AA	8"	1123.7	237	241	65.60
SP 1100-3-A	8"	1123.7	237	241	65.60
SP 1100-3	8"	1123.7	237	241	65.60
SP 1100-4-AA	8"	1299.7	237	241	75.42
SP 1100-4-A	8"	1299.7	237	241	75.42
SP 1100-4	8"	1299.7	237	241	75.42
SP 1100-5-AA	8"	1475.7	237	241	85.80
SP 1100-5-A	8"	1475.7	237	241	85.80
SP 1100-5	8"	1475.7	237	241	85.80
SP 1100-6-AA	8"	1651.7	237	241	96.18
SP 1100-6-A	8"	1651.7	237	241	96.18
SP 1100-6	8"	1651.7	237	241	96.18
SP 1100-7-AA	10"	1827.7	262	274	111.24
SP 1100-7-A	10"	1827.7	262	274	111.24
SP 1100-7	10"	1827.7	262	274	111.24
SP 1100-8-AA	10"	2003.7	262	274	121.48
SP 1100-8-A	10"	2003.7	262	274	121.48
SP 1100-8	10"	2003.7	262	274	121.48
SP 1100-9-AA	10"	2179.7	262	274	131.72
SP 1100-9-A	10"	2179.7	262	274	131.72
SP 1100-9	10"	2179.7	262	274	131.72

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

