

GENERAL CATALOGUE SP 4-6"

60Hz

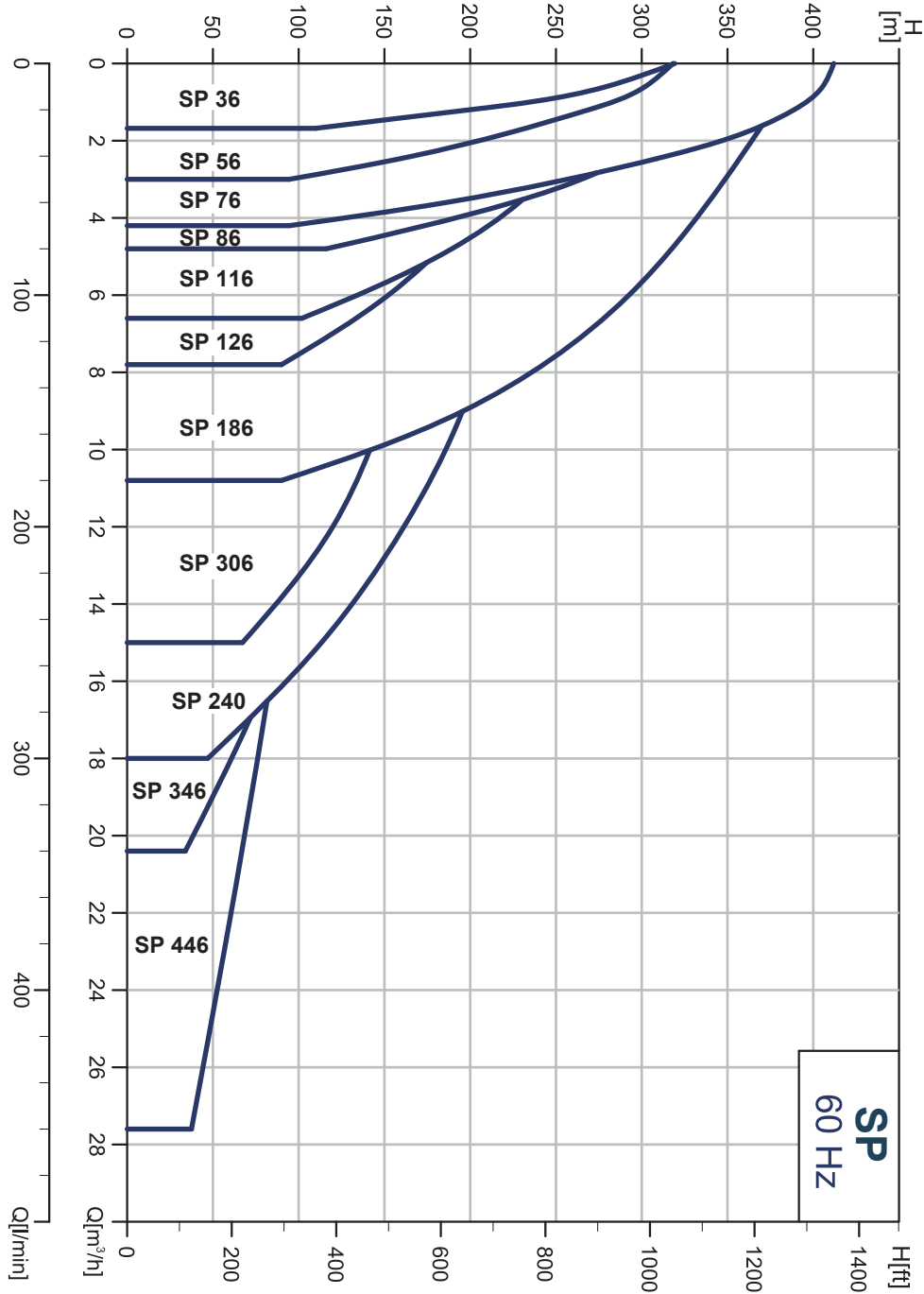


SPERONI®
WATER PUMPS

water...is life!



Performance range



SP Submersible Pump

Discharge Head and Motor

Adaptor are precision machined cast 304 stainless steel for superior strength and durability. The motor adaptor is NEMA standard.

Impellers are floating type made with Noryl[®]

for a superior sand handling. Together with glass filled polycarbonate diffusers make the super strong pumps for maximum wear and abrasive resistance. The materials are FDA compliant materials.

Impeller Bowls are made from 304 stainless steel, maximizing wear from abrasion.

Shaft Coupling is made from 304 stainless steel for easy alignment to the motor shaft.

Strainer is made from stamped 304 stainless steel for rigidity.



Floating impellers, compact, abrasion resistance

Non-Return valve made from 304 stainless steel, fitted in the discharge to prevent any back flow of water and alleviate any water hammer to the pumps.

Pump Shaft is made from hex 304 stainless steel bar material for high corrosion resistance.

Pump body is covered by a 1.5mm thick 304 polished stainless steel casing, ensures optimum resistance to abrasion.

Bearing is made with Polyacetal for strong wear and abrasive resistance.

OPERATION CHARACTERISTICS

Max voltage variation	+ 10% / - 10%
Max starts / h	40
Max water temperature	35 °C
Flow rate	0.08m/sec
Axial thrust	2000N from 0.37 kW up to 2.2 kW 3000N 2.2 kW 5000N from 3 kW up to 7.5kW
Max immersion depth	200m

APPLICATIONS

- Water Supply
- Irrigation
- Pressure Boosting

GENERAL SPECIFICATIONS

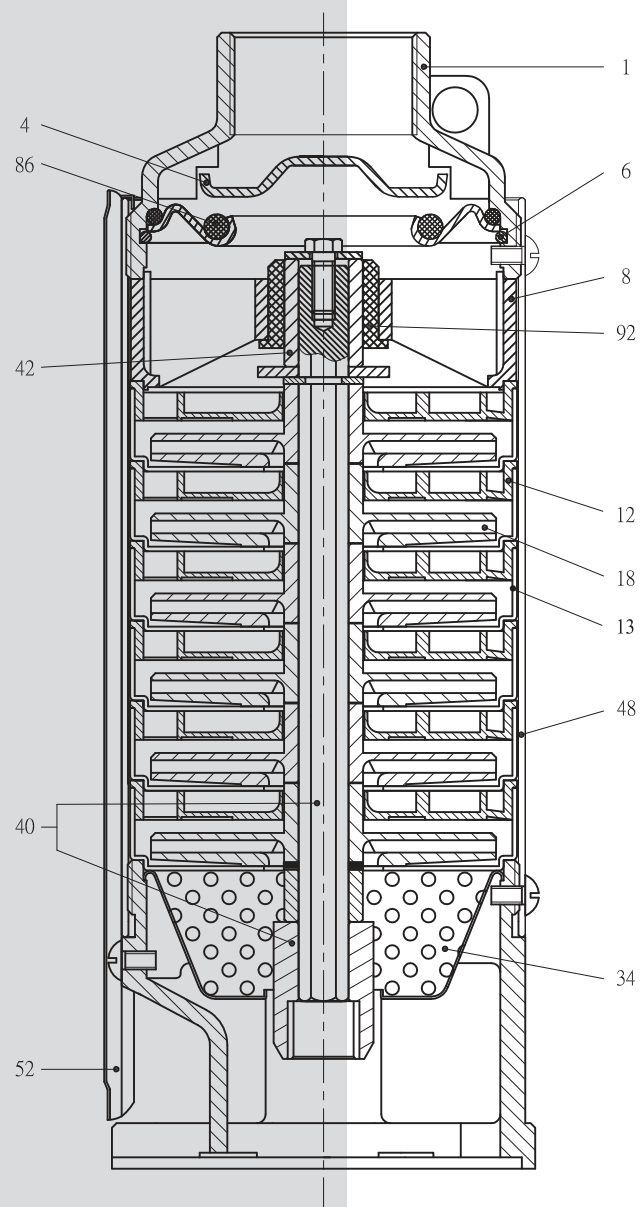
PUMP

- Delivery: up to 27.8 m³/h at 3450 rpm
- Head: up to 410 m at 3450 rpm
- Pump overall diameter (Cable Guard Included): 98mm
- Maximum permissible quantity of sand: 50g/m³
- SP25-SP40-SP50-SP70-SP100 models
Rp1 1/4" discharge
- SP140 model 1 1/2" discharge.
- SP200-SP240-SP260-SP400 models RP 2" discharge
- Motor Power: from 0.37 to 7.5 kW.

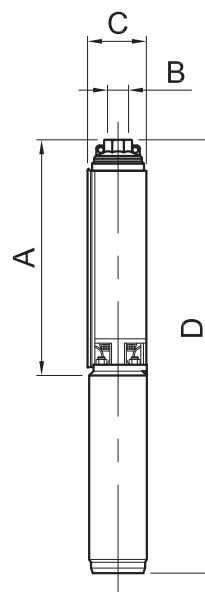
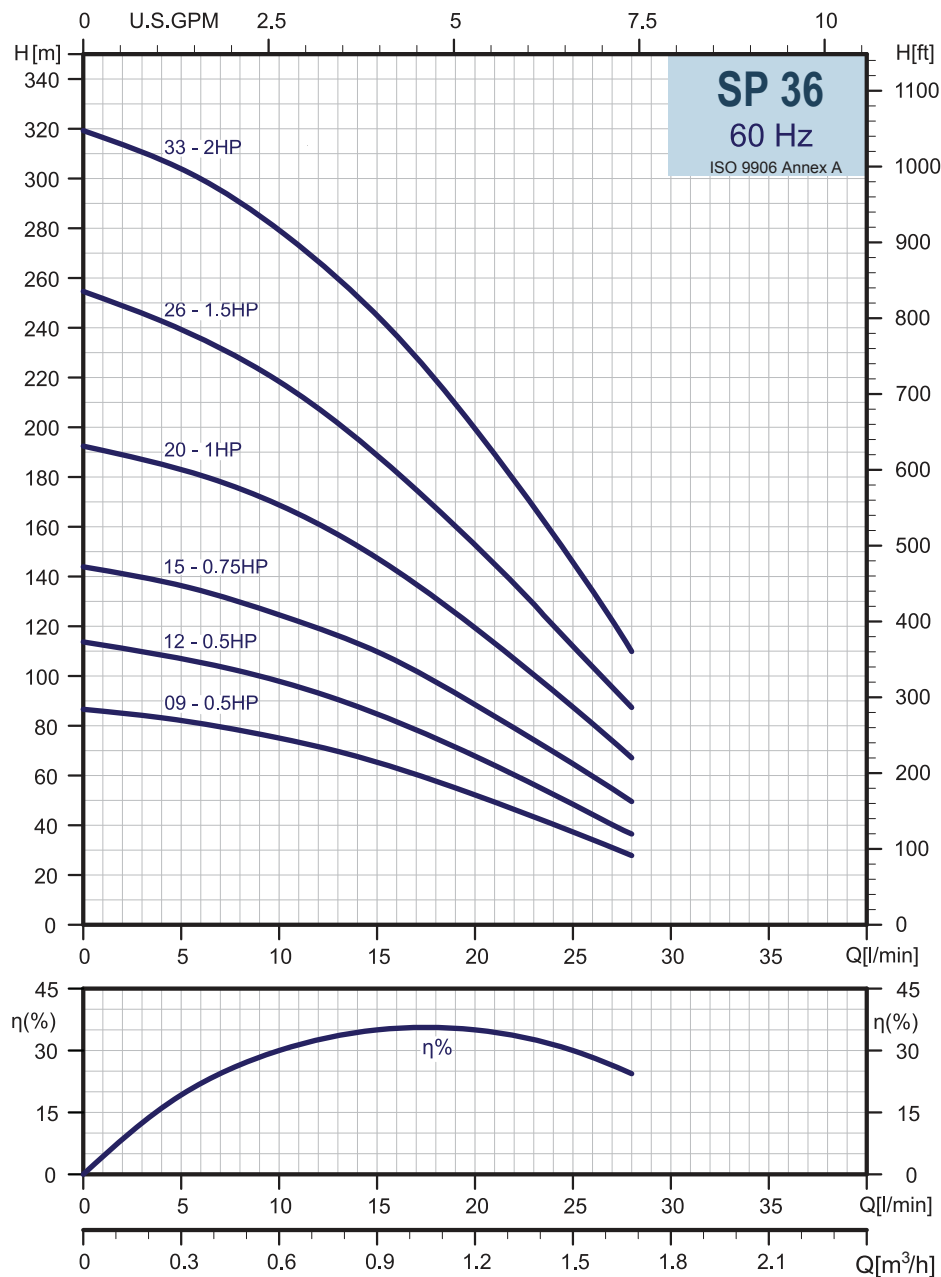
MOTOR

Flange	4" NEMA standard
Degree of protection	IP 68
Insulation class	F
Single phase motors	0.37 kW up to 4 kW
Three phase motors	0.37 kW up to 7.5 kW
Standard voltages	1~115V, 220V-230 V 3~ 230V or 400V
Cable length	1.7 M 0.37 kW up to 1.5 kW 2.5 M 2.2 kW up to 7.5 kW

Material Specification



Pos.	Part Name	Material
01	Discharge Head	AISI 304 SS
04	Check Valve Cone	AISI 304 SS
06	Check Valve retaining Ring	AISI 304 SS
08	Bearing Spider	Glass Filled Polycarbonate
12	Diffuser	Glass Filled Polycarbonate
13	Bowl	AISI 304 SS
18	Impeller	Noryl
34	Strainer	AISI 304 SS
40	Pump Shaft/ Coupling	AISI 304 SS
42	Shaft Sleeve	AISI 304 SS or Noryl
48	Pump Casing	AISI 304 SS
52	Cable Guard	AISI 304 SS
86	O-Ring	NBR
92	Bearing	Polyacetal

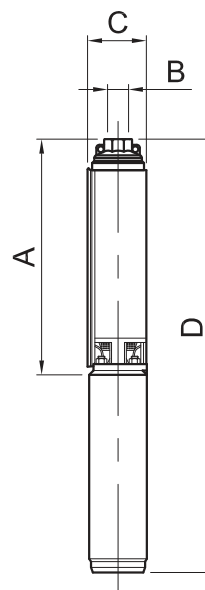
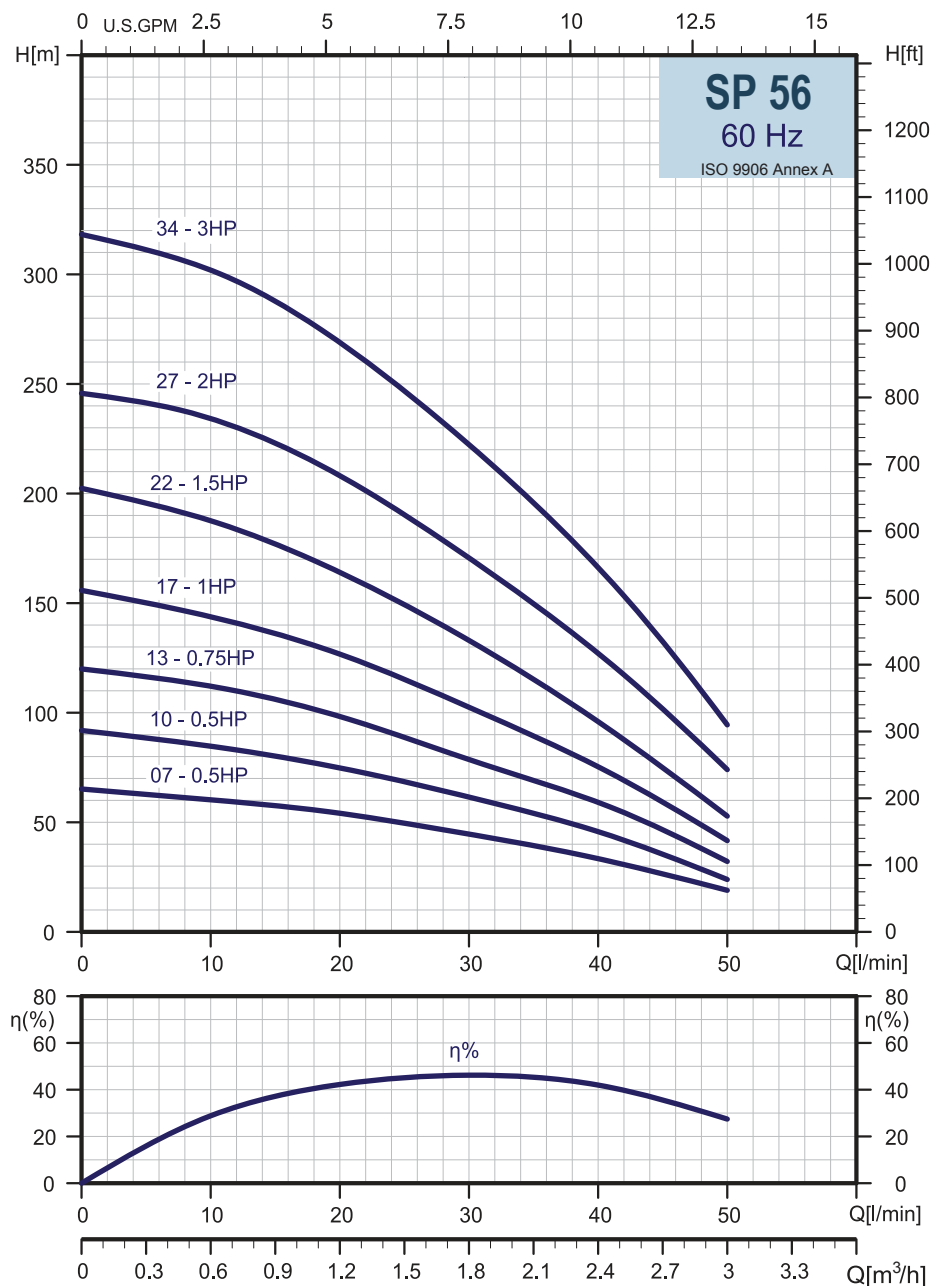


Single Phase Motor				
Dimensions and Weights				
Pump Type	Dimensions(mm)			
	A	B	C	D
SP 36-09	306	RP/NPT 1 1/4"	98	652
SP 36-12	359		98	705
SP 36-15	411		98	776
SP 36-20	499		98	879
SP 36-26	642		98	1047
SP 36-33	757		98	1197

Three Phase Motor				
Dimensions and Weights				
Pump Type	Dimensions(mm)			
	A	B	C	D
SP 36-09	306	RP/NPT 1 1/4"	98	636
SP 36-12	359		98	689
SP 36-15	411		98	757
SP 36-20	499		98	846
SP 36-26	642		98	1022
SP 36-33	757		98	1162

Selection Chart

PUMP TYPE	STAGES	MOTOR		Q=DELIVERY										PUMP	ELECTRO PUMP	
				l/min	0	10	15	20	25	30	35	Net Weight(kg)				
		KW	HP	m³/h	0	0.6	0.9	1.2	1.5	1.8	2.1	Single phase			Three phase	
				H=TOTAL HEAD IN METERS												
SP 36-09	9	0.37	0.5	87	75	65	52	38	21		3.1	10.4	9.8			
SP 36-12	12	0.37	0.5	114	98	85	68	49	28		3.6	10.9	10.3			
SP 36-15	15	0.55	0.75	144	124	110	89	65	39		4.1	12.3	11.5			
SP 36-20	20	0.75	1.0	193	169	148	120	88	53		4.9	13.7	13.1			
SP 36-26	26	1.1	1.5	255	219	179	152	112	68		5.8	15.8	14.7			
SP 36-33	33	1.5	2.0	320	280	245	200	145	82		7.3	18.8	17.3			

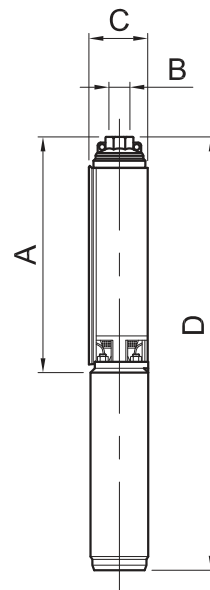
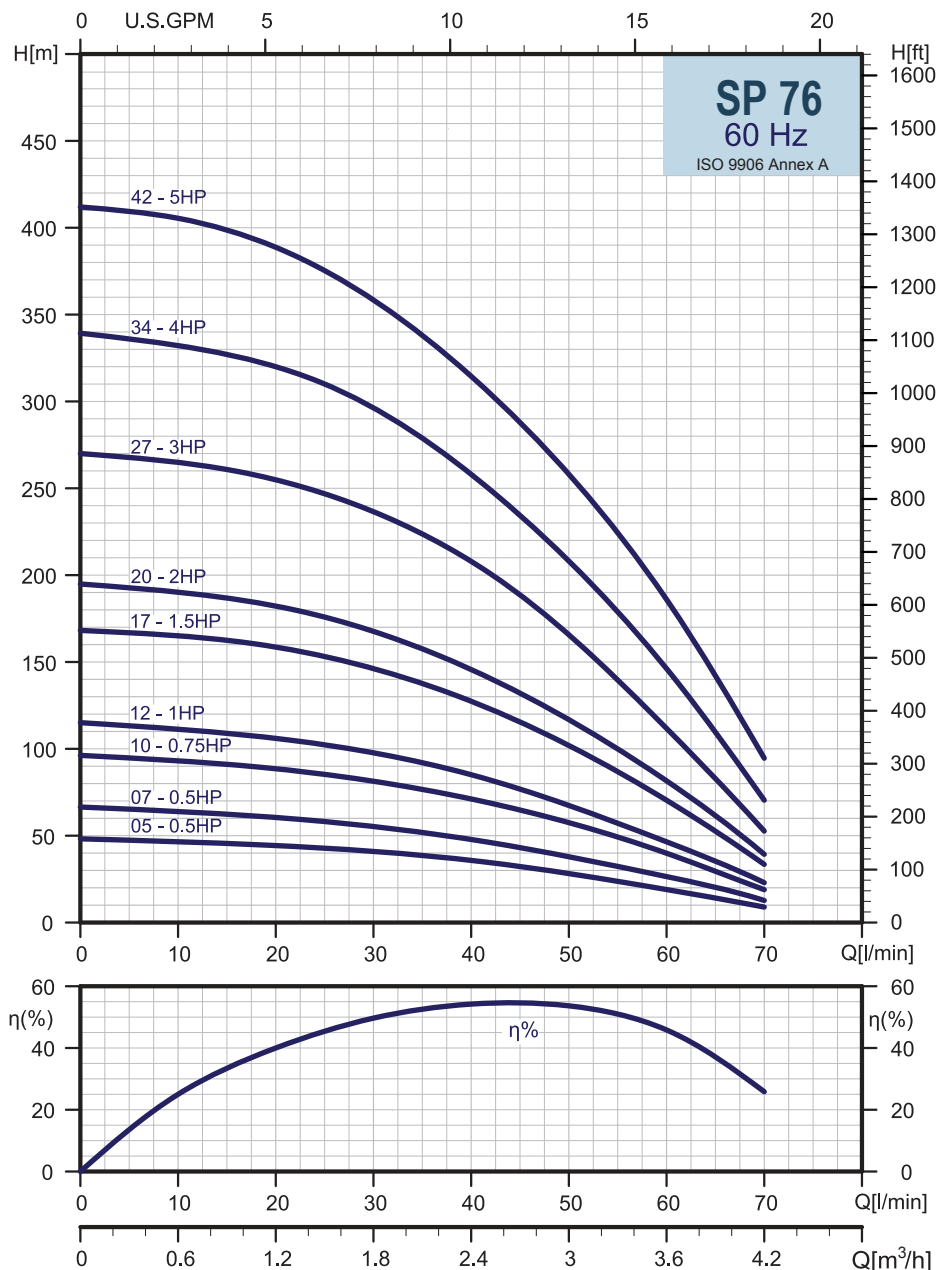


Single Phase Motor				
Dimensions and Weights				
Pump Type	Dimensions(mm)			
	A	B	C	D
SP 56-07	275	RP / NPT 1-1/4"	98	621
SP 56-10	330		98	676
SP 56-13	385		98	750
SP 56-17	455		98	835
SP 56-22	545		98	950
SP 56-27	675		98	1115
SP 56-34	795		98	1290

Three Phase Motor				
Dimensions and Weights				
Pump Type	Dimensions(mm)			
	A	B	C	D
SP 56-07	275	RP / NPT 1-1/4"	98	605
SP 56-10	330		98	660
SP 56-13	385		98	731
SP 56-17	455		98	820
SP 56-22	545		98	925
SP 56-27	675		98	1080
SP 56-34	795		98	1235

Selection Chart

PUMP TYPE	STAGES	MOTOR		Q=DELIVERY														PUMP	ELECTRO PUMP	
				l/min	0	10	15	20	25	30	35	40	50	60						
		KW	HP	m³/h	0	0.6	0.9	1.2	1.5	1.8	2.1	2.4	3.0	3.6	Net Weight(kg)					
				H=TOTAL HEAD IN METERS													Single phase		Three phase	
SP 56-07	7	0.37	0.5	66		57	54	49	44	39	33	19		2.7	10.0	9.4				
SP 56-10	10	0.37	0.5	92		80	75	68	62	54	47	24		3.3	10.6	10.0				
SP 56-13	13	0.55	0.75	120		106	98	89	79	69	59	32		3.8	12.0	11.2				
SP 56-17	17	0.75	1.0	156		136	127	115	102	89	75	42		4.5	13.3	12.7				
SP 56-22	22	1.1	1.5	203		177	165	150	133	115	97	53		5.4	15.4	14.3				
SP 56-27	27	1.5	2.0	246		223	208	190	171	150	127	74		6.6	18.1	16.6				
SP 56-34	34	2.2	3.0	318		288	269	247	223	196	167	95		8.3	22.3	19.9				

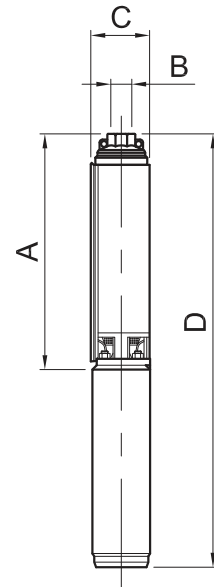
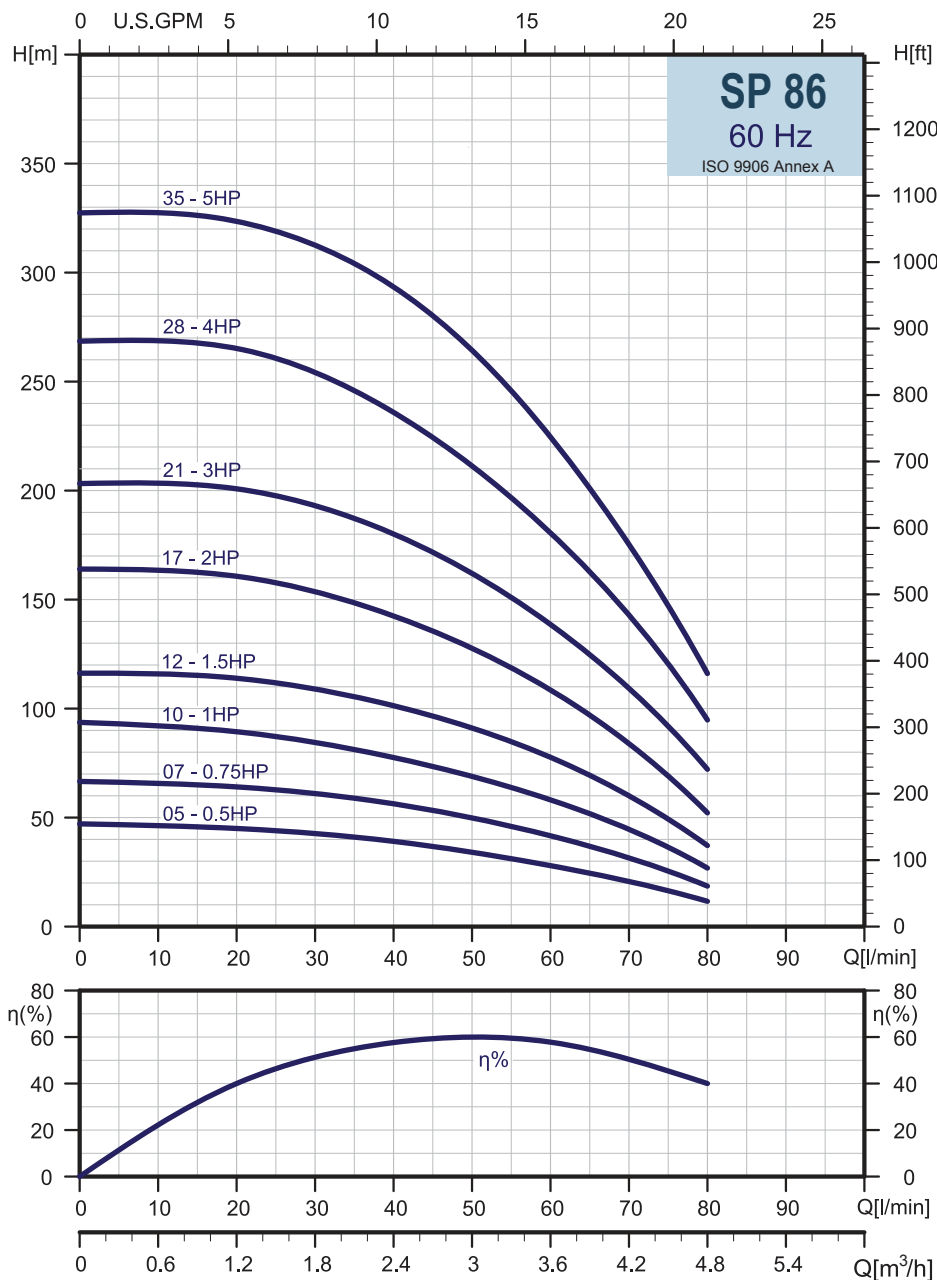


Single Phase Motor				
Dimensions and Weights				
Pump Type	Dimensions(mm)			
	A	B	C	D
SP 76-05	236	RP/NPT 1 1/4"	98	582
SP 76-07	271		98	617
SP 76-10	324		98	689
SP 76-12	359		98	739
SP 76-17	447		98	852
SP 76-20	499		98	939
SP 76-27	660		98	1155
SP 76-34	758		98	1365
SP 76-42	916		98	1599

Three Phase Motor				
Dimensions and Weights				
Pump Type	Dimensions(mm)			
	A	B	C	D
SP 76-05	236	RP/NPT 1 1/4"	98	566
SP 76-07	271		98	601
SP 76-10	324		98	670
SP 76-12	359		98	724
SP 76-17	447		98	827
SP 76-20	499		98	904
SP 76-27	660		98	1100
SP 76-34	758		98	1274
SP 76-42	916		98	N/A

Selection Chart

PUMP TYPE	STAGES	MOTOR		Q=DELIVERY														PUMP	ELECTRO PUMP	
				l/min	0	15	20	25	30	35	40	50	60	70	80					
		KW	HP	m³/h	0	0.9	1.2	1.5	1.8	2.1	2.4	3.0	3.6	4.2	4.8	Net Weight(kg)				
				H=TOTAL HEAD IN METERS															Single phase	Three phase
SP 76-05	5	0.37	0.5	48		44	42	40	38	36	29	19	9		2.5	9.8	9.2			
SP 76-07	7	0.37	0.5	67		60	58	55	52	49	39	27	13		2.8	10.1	9.5			
SP 76-10	10	0.55	0.75	96		89	85	81	77	71	58	40	19		3.3	11.5	10.7			
SP 76-12	12	0.75	1.0	115		106	102	98	92	85	68	47	23		3.6	12.4	11.8			
SP 76-17	17	1.1	1.5	168		159	152	147	138	128	102	70	35		4.4	14.4	13.3			
SP 76-20	20	1.5	2.0	195		181	177	168	158	146	118	82	40		4.9	16.4	14.9			
SP 76-27	27	2.2	3.0	270		255	247	237	223	209	167	111	53		6.0	20.0	17.6			
SP 76-34	34	3.0	4.0	339		320	310	296	280	259	209	146	70		7.5	26.9	22.7			
SP 76-42	42	3.7	5.0	412		389	375	358	338	315	258	186	95		8.8	31.5	N/A			



Single Phase Motor				
Dimensions and Weights				
Pump Type	Dimensions(mm)			
	A	B	C	D
SP 86-05	236	RP/NPT 1 1/4"	98	582
SP 86-07	271		98	636
SP 86-10	324		98	704
SP 86-12	359		98	764
SP 86-17	447		98	887
SP 86-21	519		98	1014
SP 86-28	679		98	1286
SP 86-35	803		98	1486

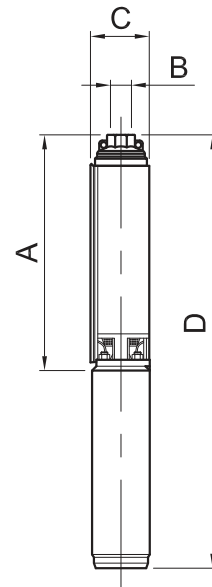
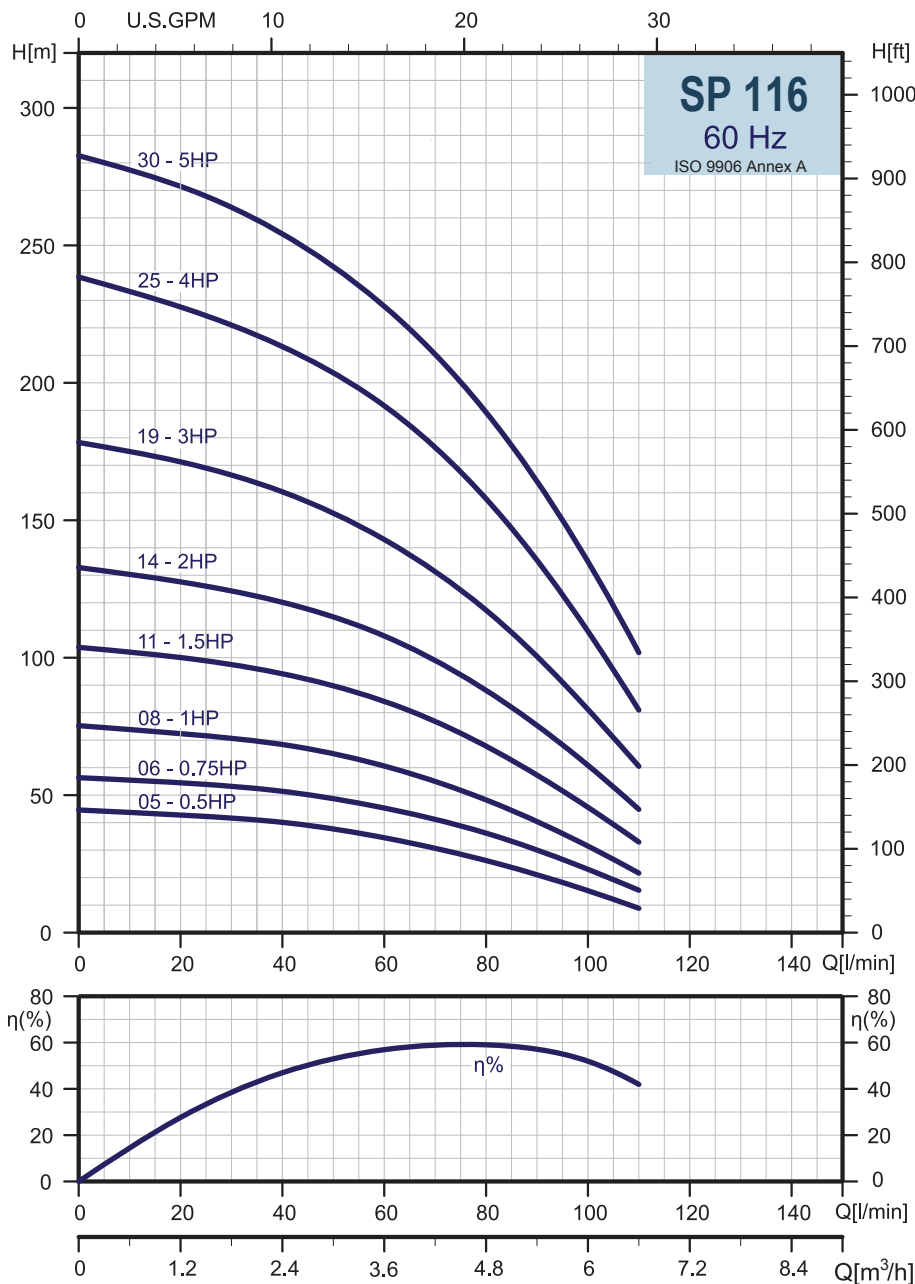
Three Phase Motor				
Dimensions and Weights				
Pump Type	Dimensions(mm)			
	A	B	C	D
SP 86-05	236	RP/NPT 1 1/4"	98	566
SP 86-07	271		98	617
SP 86-10	324		98	689
SP 86-12	359		98	739
SP 86-17	447		98	852
SP 86-21	519		98	959
SP 86-28	679		98	1195
SP 86-35	803		98	N/A

Selection Chart

PUMP TYPE	STAGES	MOTOR		Q=DELIVERY													
				l/min	0	25	30	35	40	50	60	70	80	90	PUMP	ELECTRO PUMP	
		KW	HP	m³/h	0	1.5	1.8	2.1	2.4	3.0	3.6	4.2	4.8	5.4	Net Weight(kg)		
				H=TOTAL HEAD IN METERS													Single phase
SP 86-05	5	0.37	0.5	47			42	40	39	34	28	21	12		2.5	9.8	9.2
SP 86-07	7	0.55	0.75	67			61	59	57	50	41	31	19		2.8	11.0	10.2
SP 86-10	10	0.75	1.0	94			85	81	78	69	58	45	28		3.2	12.0	11.4
SP 86-12	12	1.1	1.5	116			109	106	102	91	78	60	38		3.5	13.5	12.4
SP 86-17	17	1.5	2.0	165			154	148	143	128	109	83	53		4.3	15.8	14.3
SP 86-21	21	2.2	3.0	204			193	187	180	162	139	110	72		5.0	19.0	16.6
SP 86-28	28	3.0	4.0	269			254	246	236	211	180	142	96		6.0	25.4	21.2
SP 86-35	35	3.7	5.0	327			312	304	292	264	223	175	117		7.6	30.3	N/A

Performance Curves

SP 116

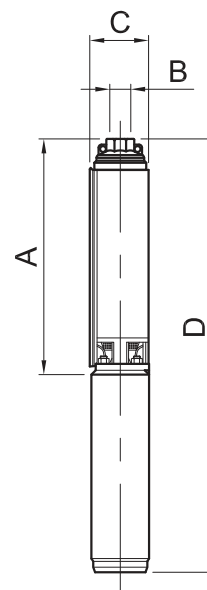
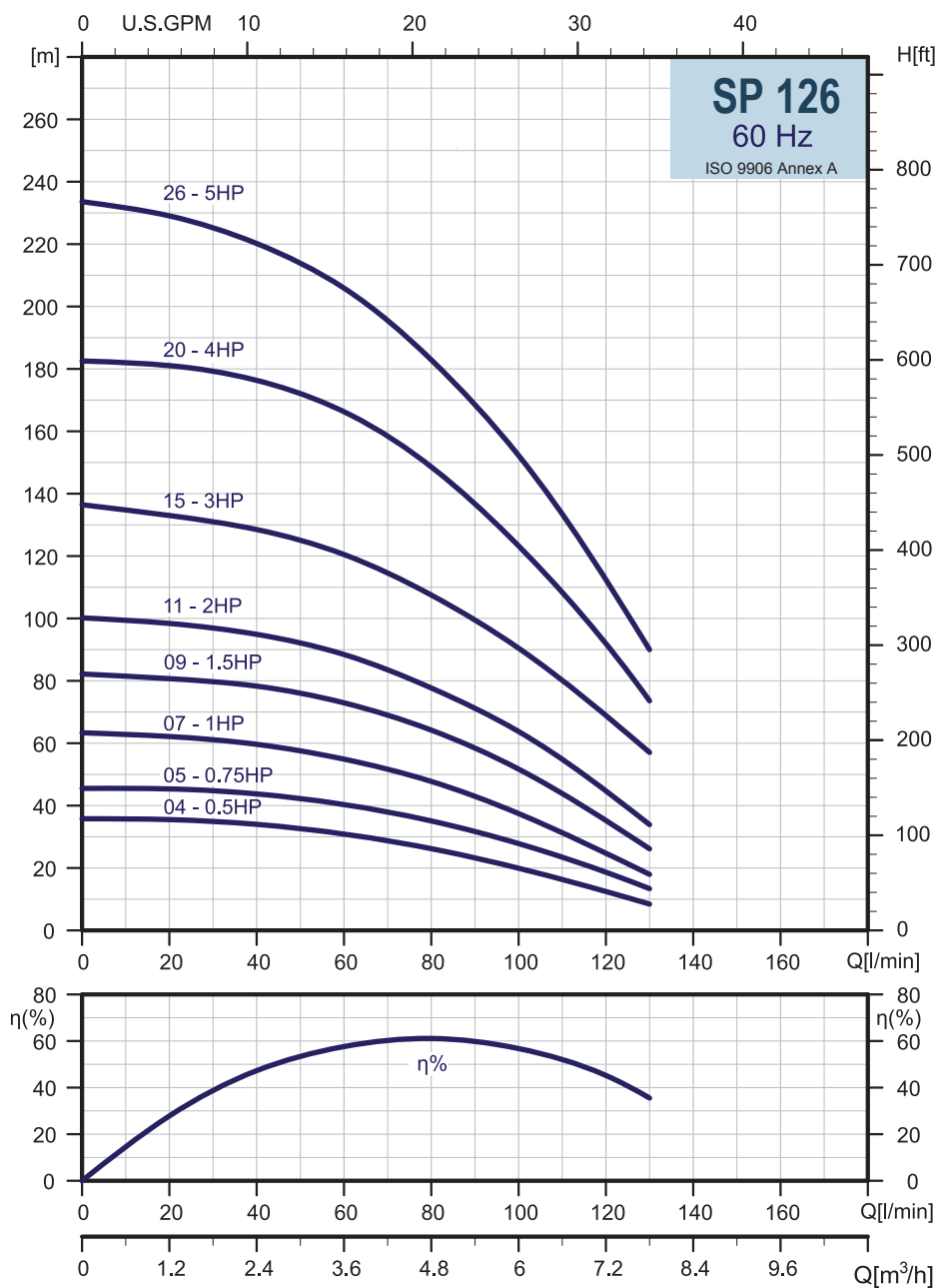


Single Phase Motor Dimensions and Weights				
Pump Type	Dimensions(mm)			
	A	B	C	D
SP 116-05	257	RP/NPT 1 1/4"	98	603
SP 116-06	279		98	644
SP 116-08	322		98	702
SP 116-11	387		98	792
SP 116-14	452		98	892
SP 116-19	560		98	1055
SP 116-25	725		98	1332
SP 116-30	827		98	1510

Three Phase Motor Dimensions and Weights				
Pump Type	Dimensions(mm)			
	A	B	C	D
SP 116-05	257	RP/NPT 1 1/4"	98	587
SP 116-06	279		98	625
SP 116-08	322		98	687
SP 116-11	387		98	767
SP 116-14	452		98	857
SP 116-19	560		98	1000
SP 116-25	725		98	1241
SP 116-30	827		98	N/A

Selection Chart

PUMP TYPE	STAGES	MOTOR		Q=DELIVERY															PUMP	ELECTRO PUMP	
				l/min	0	30	35	40	50	60	70	80	90	100	110	120	Net Weight(kg)				
		KW	HP	m³/h	0	1.8	2.1	2.4	3.0	3.6	4.2	4.8	5.4	6.0	6.6	7.2			Single phase	Three phase	
				H=TOTAL HEAD IN METERS																	
SP 116-05	5	0.37	0.5	45		41	40	38	35	31	27	21	15	9		2.7	10.0	9.4			
SP 116-06	6	0.55	0.75	56		53	52	49	45	41	37	30	23	16		2.8	11.0	10.2			
SP 116-08	8	0.75	1.0	75		70	68	65	61	55	49	41	32	22		3.1	11.9	11.3			
SP 116-11	11	1.1	1.5	104		96	94	90	84	77	68	58	46	33		3.6	13.6	12.5			
SP 116-14	14	1.5	2.0	133		123	120	115	108	99	88	75	61	45		4.1	15.6	14.1			
SP 116-19	19	2.2	3.0	178		164	160	153	143	131	117	100	81	61		4.9	18.9	16.5			
SP 116-25	25	3.0	4.0	238		217	213	204	192	176	158	136	110	81		5.9	25.3	21.1			
SP 116-30	30	3.7	5.0	283		260	254	242	228	210	189	164	135	102		7.1	29.8	N/A			

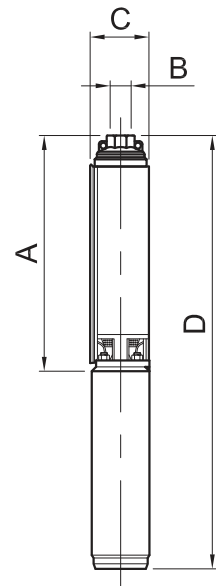
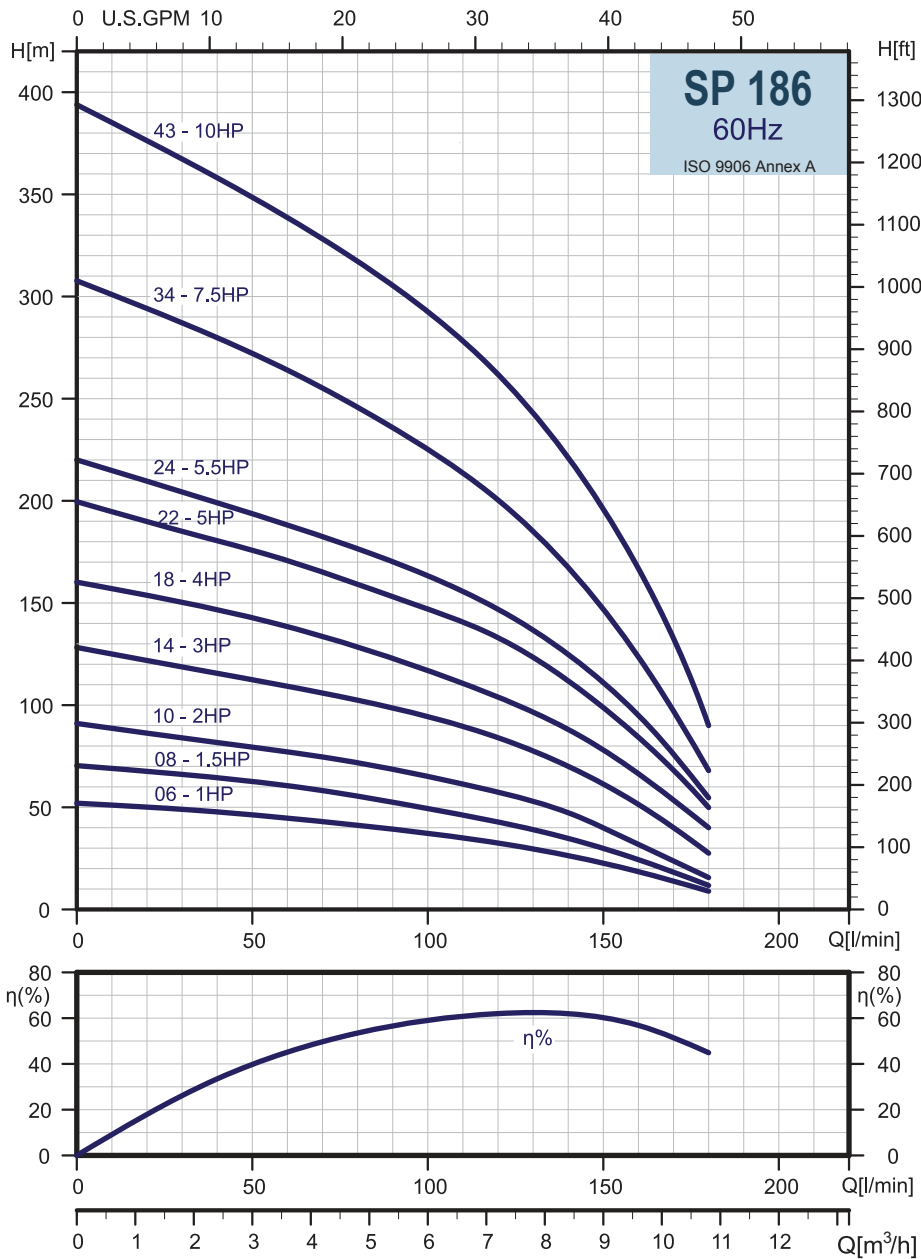


Single Phase Motor Dimensions and Weights				
Pump Type	Dimensions(mm)			
	A	B	C	D
SP 126-04	247	RP/NPT 1 1/2"	98	593
SP 126-05	272		98	637
SP 126-07	320		98	700
SP 126-09	370		98	775
SP 126-11	419		98	859
SP 126-15	518		98	1013
SP 126-20	679		98	1286
SP 126-26	826		98	1509

Three Phase Motor Dimensions and Weights				
Pump Type	Dimensions(mm)			
	A	B	C	D
SP 126-04	247	RP/NPT 1 1/2"	98	577
SP 126-05	272		98	618
SP 126-07	320		98	685
SP 126-09	370		98	750
SP 126-11	419		98	824
SP 126-15	518		98	958
SP 126-20	679		98	1195
SP 126-26	826		98	N/A

Selection Chart

PUMP TYPE	STAGES	MOTOR		Q=DELIVERY													
				l/min	0	40	50	60	70	80	90	100	120	140	PUMP	ELECTRO PUMP	
		KW	HP	m³/h	0	2.4	3.0	3.6	4.2	4.8	5.4	6.0	7.2	8.4	Net Weight(kg)		
				H=TOTAL HEAD IN METERS												Single phase	
SP 126-04	4	0.37	0.5	36			33	31	29	27	23	20	12		2.4	9.7	9.1
SP 126-05	5	0.55	0.75	46			42	40	38	35	32	28	19		2.6	10.8	10
SP 126-07	7	0.75	1.0	63			58	55	52	48	43	37	25		3.1	11.9	11.3
SP 126-09	9	1.1	1.5	82			76	73	69	64	58	52	35		3.5	13.5	12.4
SP 126-11	11	1.5	2.0	100			92	88	84	78	71	64	45		3.9	15.4	13.9
SP 126-15	15	2.2	3.0	136			125	121	115	107	100	90	69		4.7	18.7	16.3
SP 126-20	20	3	4.0	183			172	166	158	148	137	122	92		5.8	25.2	21.0
SP 126-26	26	3.7	5.0	234			214	206	196	183	169	152	112		7.1	29.8	N/A



Single Phase Motor Dimensions and Weights				
Pump Type	Dimensions(mm)			
	A	B	C	D
SP 186-06	359	RP/NPT 2"	98	739
SP 186-08	421		98	826
SP 186-10	483		98	923
SP 186-14	607		98	1102
SP 186-18	731		98	1338
SP 186-22	893		98	1576
SP 186-24	955		98	1638
SP 186-34	1257		98	N/A
SP 186-43	1318		98	N/A

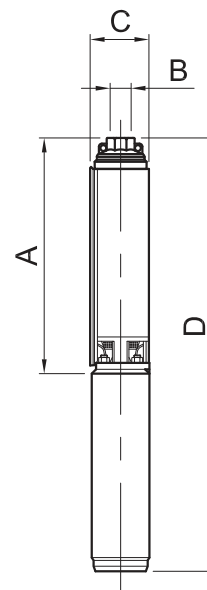
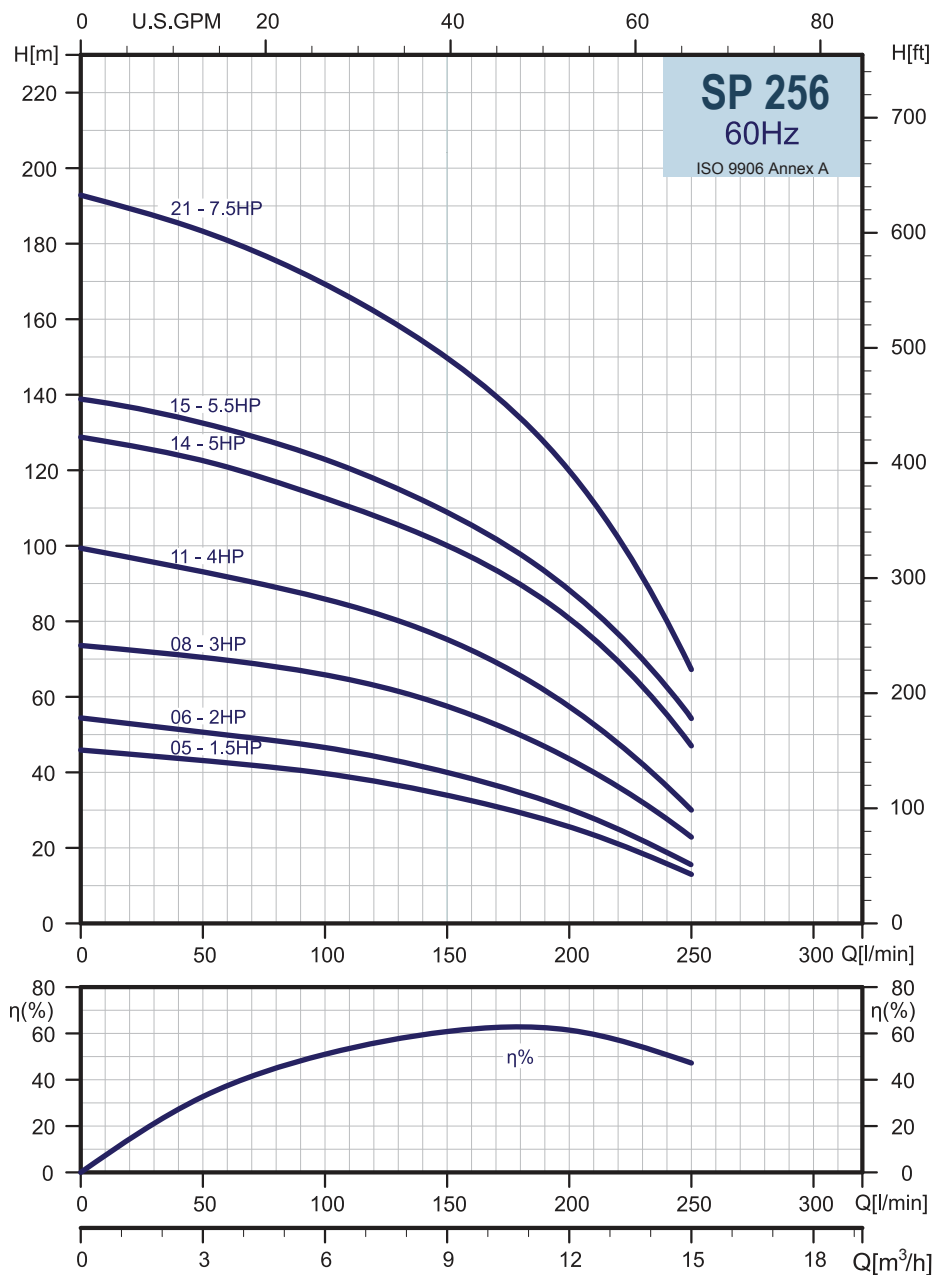
Three Phase Motor Dimensions and Weights				
Pump Type	Dimensions(mm)			
	A	B	C	D
SP 186-06	359	RP/NPT 2"	98	724
SP 186-08	421		98	801
SP 186-10	483		98	888
SP 186-14	607		98	1047
SP 186-18	731		98	1247
SP 186-22	893		98	N/A
SP 186-24	955		98	1562
SP 186-34	1257		98	1940
SP 186-43	1318		98	2101

Selection Chart

PUMP TYPE	STAGES	MOTOR		Q=DELIVERY															PUMP	ELECTRO PUMP	
				l/min	0	50	60	70	80	90	100	120	140	160	180	200	Net Weight(kg)				
		KW	HP	m³/h	0	3.0	3.6	4.2	4.8	5.4	6.0	7.2	8.4	9.6	10.8	12					
		H=TOTAL HEAD IN METERS																Single phase	Three phase		
SP 186-06	6	0.75	1.0	52		44	43	42	40	38	33	27	18	9		3.4	12.2	11.6			
SP 186-08	8	1.1	1.5	70		60	58	55	52	50	43	35	24	12		4.0	14.0	12.9			
SP 186-10	10	1.5	2.0	91		77	75	72	69	65	58	48	32	17		4.6	16.1	14.6			
SP 186-14	14	2.2	3.0	128		109	106	102	99	94	83	70	51	29		5.7	19.7	17.3			
SP 186-18	18	3.0	4.0	160		139	133	129	123	117	104	89	67	40		6.9	26.3	22.1			
SP 186-22	22	3.7	5	200		170	165	159	152	147	132	111	84	50		8.1	30.8	N/A			
SP 186-24	24	4.0	5.5	220		189	182	177	170	162	148	125	95	55		8.7	31.5	28.2			
SP 186-34	34	5.5	7.5	308		263	255	246	236	225	200	167	122	69		11.6	N/A	34.7			
SP 186-43	43	7.5	10	394		339	328	317	305	292	261	220	167	90		14.2	N/A	41.7			

Performance Curves

SP 256

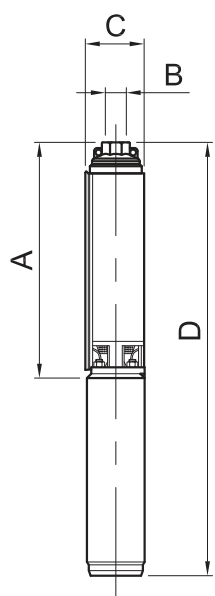
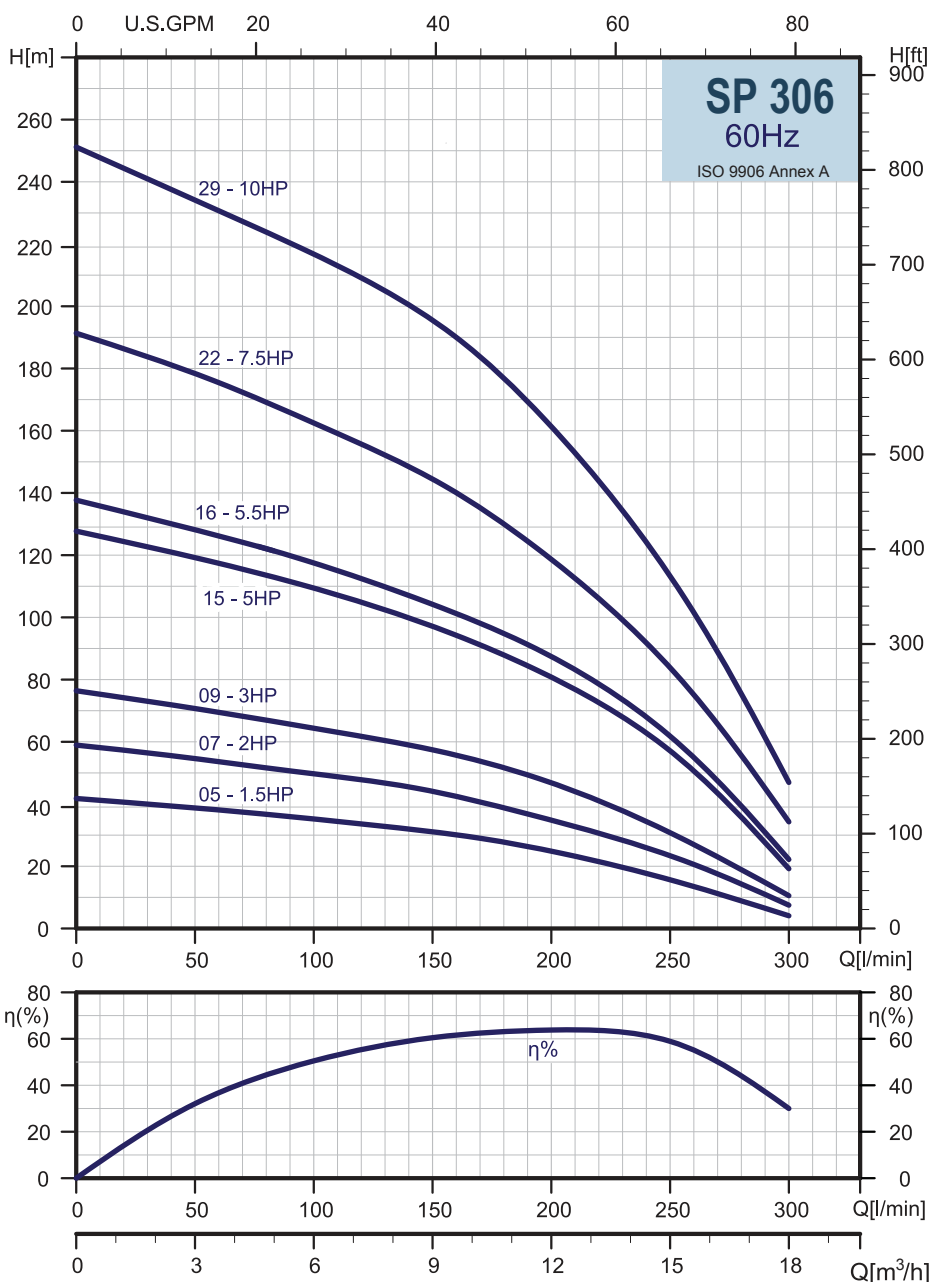


Single Phase Motor				
Dimensions and Weights				
Pump Type	Dimensions(mm)			
	A	B	C	D
SP 256-05	325	RP/NPT 2"	98	730
SP 256-06	356		98	796
SP 256-08	418		98	913
SP 256-11	511		98	1118
SP 256-14	604		98	1287
SP 256-15	638		98	1321
SP 256-21	859		98	N/A

Three Phase Motor				
Dimensions and Weights				
Pump Type	Dimensions(mm)			
	A	B	C	D
SP 256-05	325	RP/NPT 2"	98	705
SP 256-06	356		98	761
SP 256-08	418		98	858
SP 256-11	511		98	1027
SP 256-14	604		98	N/A
SP 256-15	638		98	1245
SP 256-21	859		98	1542

Selection Chart

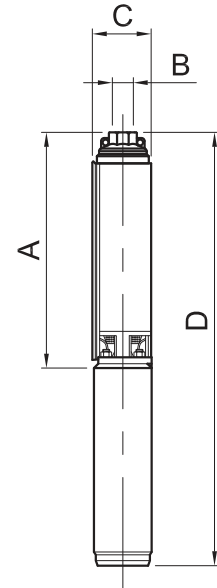
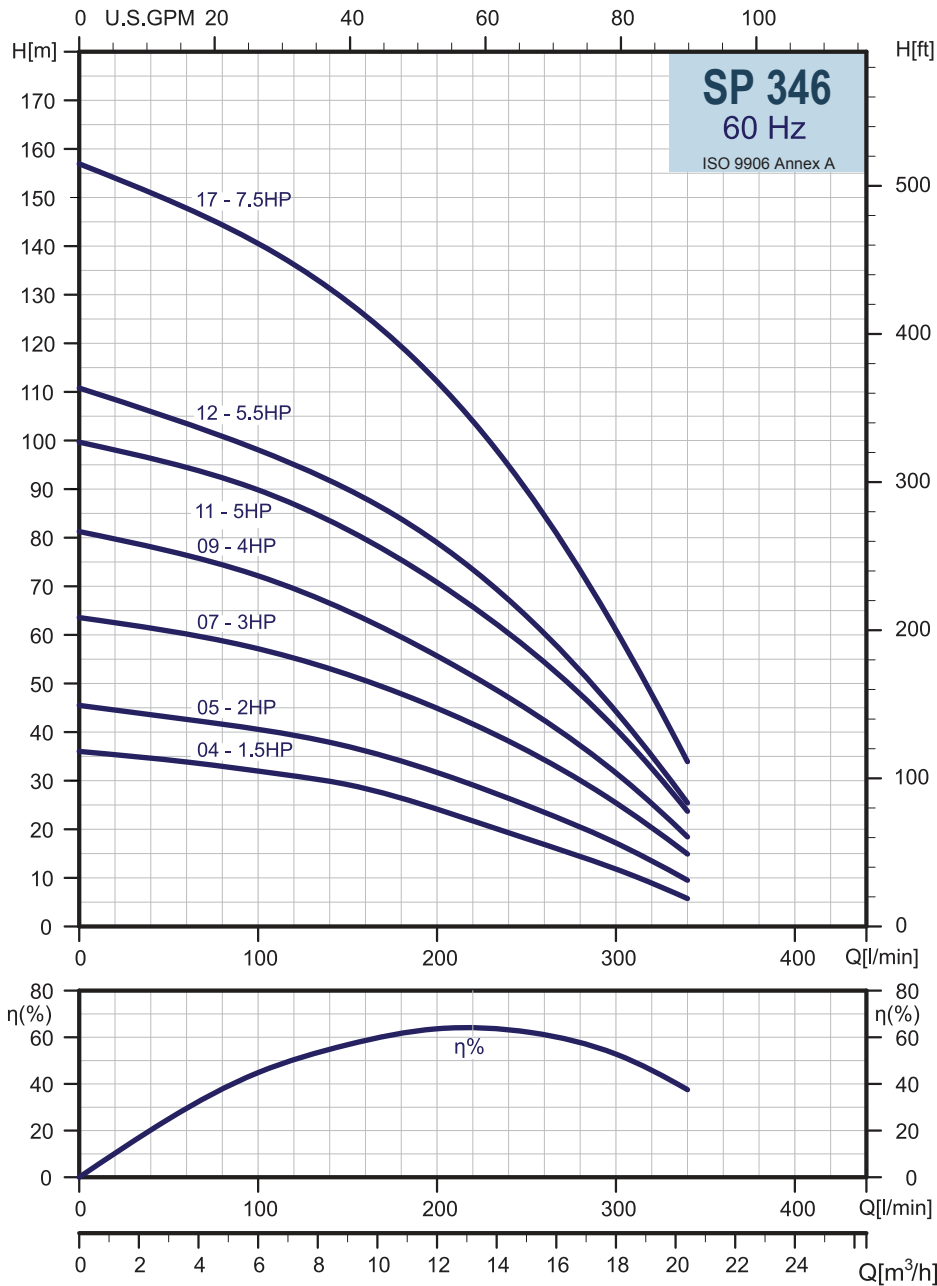
PUMP TYPE	STAGES	MOTOR		Q=DELIVERY																	PUMP	ELECTRO PUMP	
				l/min	0	60	70	80	90	100	120	140	160	180	200	250	280						
		KW	HP	m³/h	0	3.6	4.2	4.8	5.4	6.0	7.2	8.4	9.6	10.8	12	15	16.8	Net Weight(kg)					
				H=TOTAL HEAD IN METERS																Single phase	Three phase		
SP 256-05	5	1.1	1.5	46		42	41	40	39	37	35	33	29	25	14		3.1	13.1	12.0				
SP 256-06	6	1.5	2.0	55		49	48	47	47	45	42	38	35	30	17		3.4	14.9	13.4				
SP 256-08	8	2.2	3.0	74		69	68	67	66	63	60	56	50	43	24		4.0	18.0	15.6				
SP 256-11	11	3.0	4.0	100		91	88	87	86	83	78	73	66	58	30		4.9	24.3	20.1				
SP 256-14	14	3.7	5.0	129		118	116	115	113	108	103	97	90	81	48		5.7	28.4	N/A				
SP 256-15	15	4.0	5.5	139		128	126	125	123	118	113	105	97	88	55		6.0	28.8	25.5				
SP 256-21	21	5.5	7.5	194		178	175	173	169	162	154	145	134	120	68		7.8	N/A	30.9				



Single Phase Motor				
Dimensions and Weights				
Pump Type	Dimensions(mm)			
	A	B	C	D
SP 306-05	433	RP/NPT 2"	98	838
SP 306-07	537		98	977
SP 306-09	641		98	1136
SP 306-15	953		98	1636
SP 306-16	1005		98	1612
SP 306-22	1345		98	N/A
SP 306-29	1708		98	N/A

Three Phase Motor				
Dimensions and Weights				
Pump Type	Dimensions(mm)			
	A	B	C	D
SP 306-05	433	RP/NPT 2"	98	813
SP 306-07	537		98	942
SP 306-09	641		98	1081
SP 306-15	953		98	N/A
SP 306-16	1005		98	1612
SP 306-22	1345		98	2028
SP 306-29	1708		98	2491

PUMP TYPE	STAGES	MOTOR		Q=DELIVERY																			PUMP	ELECTRO PUMP	
				l/min	0	70	80	90	100	120	140	160	180	200	220	240	260	280	300	340					
		KW	HP	m³/h	0	4.2	4.8	5.4	6.0	7.2	8.4	9.6	10.8	12	13.2	14.4	15.6	16.8	18	20.4					
		H=TOTAL HEAD IN METERS																				Single phase	Three phase		
SP 306-05	5	1.1	1.5	42		38	37	36	34	32	30	28	25	22	18	14	9	5		4.3	14.3	13.2			
SP 306-07	7	1.5	2.0	59		52	51	50	48	46	43	40	36	31	26	21	15	8		5.3	16.8	15.3			
SP 306-09	9	2	3.0	76		67	66	64	62	59	56	52	47	42	35	28	19	11		6.2	20.2	17.8			
SP 306-15	15	3.7	5.0	128		113	112	109	105	100	94	88	80	72	63	51	37	20		9.0	31.7	24.2			
SP 306-16	16	4.0	5.5	137		122	120	117	112	107	101	95	88	79	68	55	40	23		9.5	32.3	29.0			
SP 306-22	22	5.5	7.5	191		169	166	162	156	149	140	131	118	106	91	75	55	35		12.3	N/A	35.4			
SP 306-29	29	7.5	10	251		225	221	218	209	200	190	177	161	144	125	101	75	48		15.6	N/A	43.1			

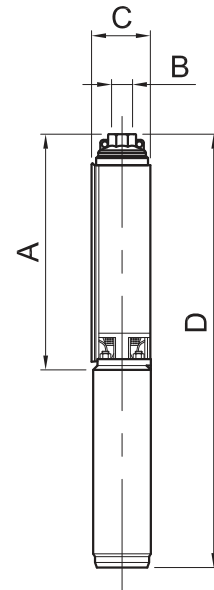
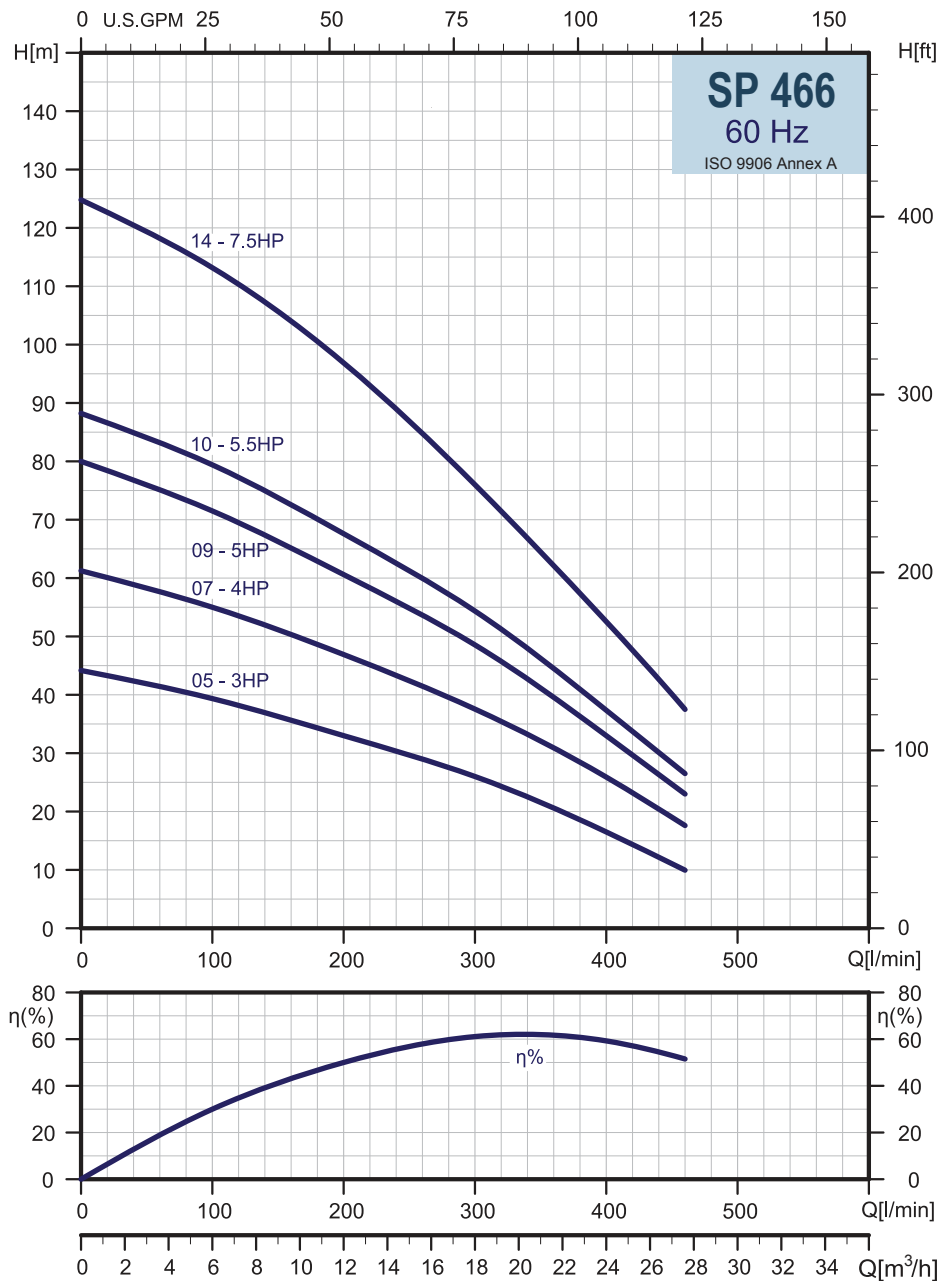


Single Phase Motor				
Dimensions and Weights				
Pump Type	Dimensions(mm)			
	A	B	C	D
SP 346-04	378	RP/NPT 2"	98	783
SP 346-05	430		98	870
SP 346-07	534		98	1029
SP 346-09	638		98	1245
SP 346-11	742		98	1425
SP 346-12	797		98	N/A
SP 346-17	1092		98	N/A

Three Phase Motor				
Dimensions and Weights				
Pump Type	Dimensions(mm)			
	A	B	C	D
SP 346-04	378	RP/NPT 2"	98	758
SP 346-05	430		98	835
SP 346-07	534		98	974
SP 346-09	638		98	1154
SP 346-11	742		98	N/A
SP 346-12	797		98	1404
SP 346-17	1092		98	1775

Selection Chart

PUMP TYPE	STAGES	MOTOR		Q=DELIVERY																		PUMP	ELECTRO PUMP	
				l/min	0	90	100	120	140	160	180	200	220	240	260	280	300	340	380					
		KW	HP	m³/h	0	5.4	6.0	7.2	8.4	9.6	10.8	12	13.2	14.4	15.6	16.8	18	20.4	22.8	Net Weight(kg)				
				H=TOTAL HEAD IN METERS																	Single phase		Three phase	
SP 346-04	4	1.1	1.5	36		32	31	30	28	26	24	22	19	17	14	12	6		3.9	13.9	12.8			
SP 346-05	5	1.5	2.0	46		41	39	37	36	34	32	29	26	23	20	17	9		4.4	15.9	14.4			
SP 346-07	7	2.2	3.0	64		57	55	53	51	48	45	42	38	34	30	25	15		5.3	19.3	16.9			
SP 346-09	9	3.0	4.0	82		72	69	67	64	60	56	52	47	42	37	32	18		6.3	25.7	21.5			
SP 346-11	11	3.7	5.0	100		90	87	83	80	75	71	67	60	54	48	41	24		7.2	29.9	N/A			
SP 346-12	12	4.0	5.5	110		98	95	92	88	84	78	73	67	60	55	44	26		7.7	30.5	27.2			
SP 346-17	17	5.5	7.5	157		140	136	131	126	119	112	104	95	85	73	61	35		10.1	N/A	33.2			



Single Phase Motor				
Dimensions and Weights				
Pump Type	Dimensions(mm)			
	A	B	C	D
SP 466-05	472	RP/NPT 2"	98	967
SP 466-07	608		98	1215
SP 466-09	743		98	1426
SP 466-10	814		98	1497
SP 466-14	1081		98	N/A

Three Phase Motor				
Dimensions and Weights				
Pump Type	Dimensions(mm)			
	A	B	C	D
SP 466-05	472	RP/NPT 2"	98	912
SP 466-07	608		98	1124
SP 466-09	743		98	N/A
SP 466-10	814		98	1421
SP 466-14	1081		98	1764

Selection Chart

PUMP TYPE	STAGES	MOTOR		Q=DELIVERY																			PUMP	ELECTRO PUMP	
				l/min	0	140	160	180	200	220	240	260	280	300	340	380	420	460	500						
		KW	HP	m³/h	0	8.4	9.6	10.8	12	13.2	14.4	15.6	16.8	18	20.4	22.8	25.2	27.6	30	Net Weight(kg)					
				H=TOTAL HEAD IN METERS																		Single phase	Three phase		
SP 466-05	5	2.2	3.0	44		36	34	33	32	30	29	28	26	23	19	14	10		4.4	18.4	16.0				
SP 466-07	7	3.0	4.0	61		50	49	47	45	43	41	40	38	33	28	23	18		5.6	25.0	20.8				
SP 466-09	9	3.7	5.0	80		65	63	61	58	56	54	51	49	43	36	30	23		6.9	29.6	N/A				
SP 466-10	10	4.0	5.5	88		73	70	68	65	63	60	57	54	48	41	34	27		7.5	30.3	27.0				
SP 466-14	14	5.5	7.5	126		104	101	97	93	89	85	80	76	67	62	48	38		9.9	N/A	33.0				

6" SP Submersible Pump

Description

The 6" submersible pumps for high pressures and flow rates, particularly equipped with a high rigidity

Silicon-Carbide(SIC) Bearing, provide reliability and quality guaranteed.

Discharge Head and Motor

Adaptor are precision machined cast 304 stainless steel for superior strength and durability. The motor adaptor is NEMA standard.

Impellers are floating type made with Noryl® for a superior sand handling.

Together with glass filled polycarbonate diffusers make the super strong pumps for maximum wear and abrasive resistance. The materials are FDA compliant materials.

Impeller Bowls are made from 304 stainless steel, maximizing wear from abrasion.

Shaft Coupling is made from 304 stainless steel for easy alignment to the motor shaft.

Strainer is made from stamped 304 stainless steel for rigidity.

Non-Return valve made from 304 stainless steel, fitted in the discharge to prevent any back flow of water and alleviate any water hammer to the pumps.

Pump Shaft is made from hex 304 stainless steel bar material for high corrosion resistance.

Pump body is covered by a thick 304 stainless steel casing, ensures optimum resistance to abrasion.

APPLICATIONS

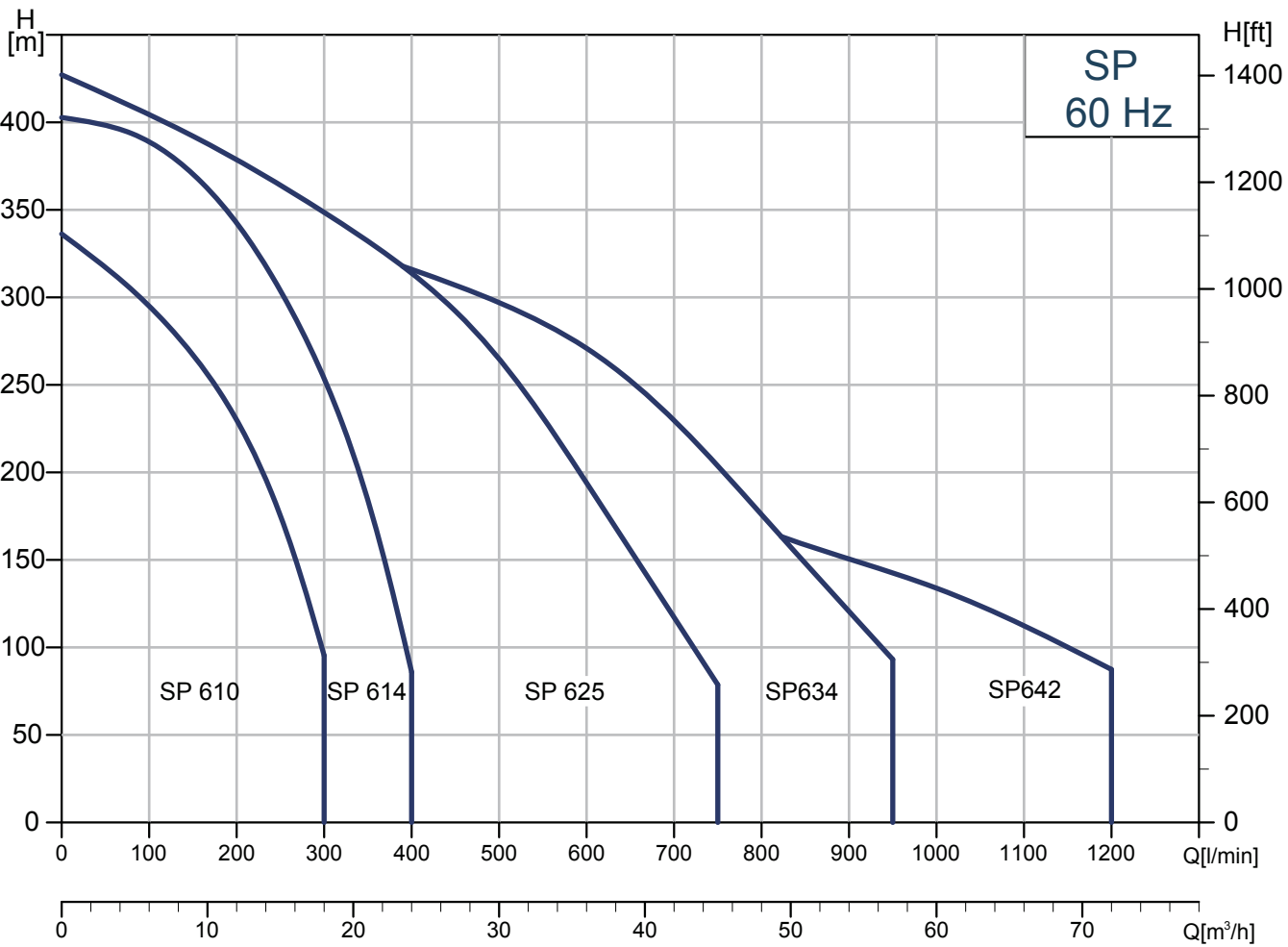
- Water Supply
- Irrigation
- Pressure Boosting

GENERAL SPECIFICATIONS PUMP

- Delivery: up to 72 m³/h at 3450 rpm
- Head: up to 430 m at 3450 rpm
- Maximum permissible quantity of sand: 50g/m³
- SP 240-310-600-800-1000 models 3" discharge.

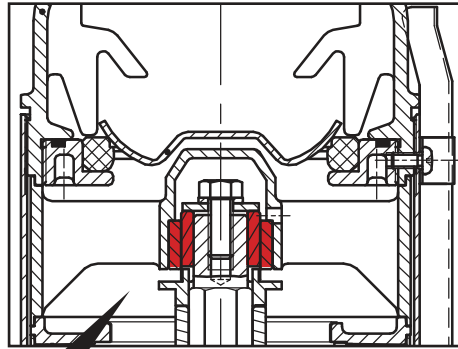
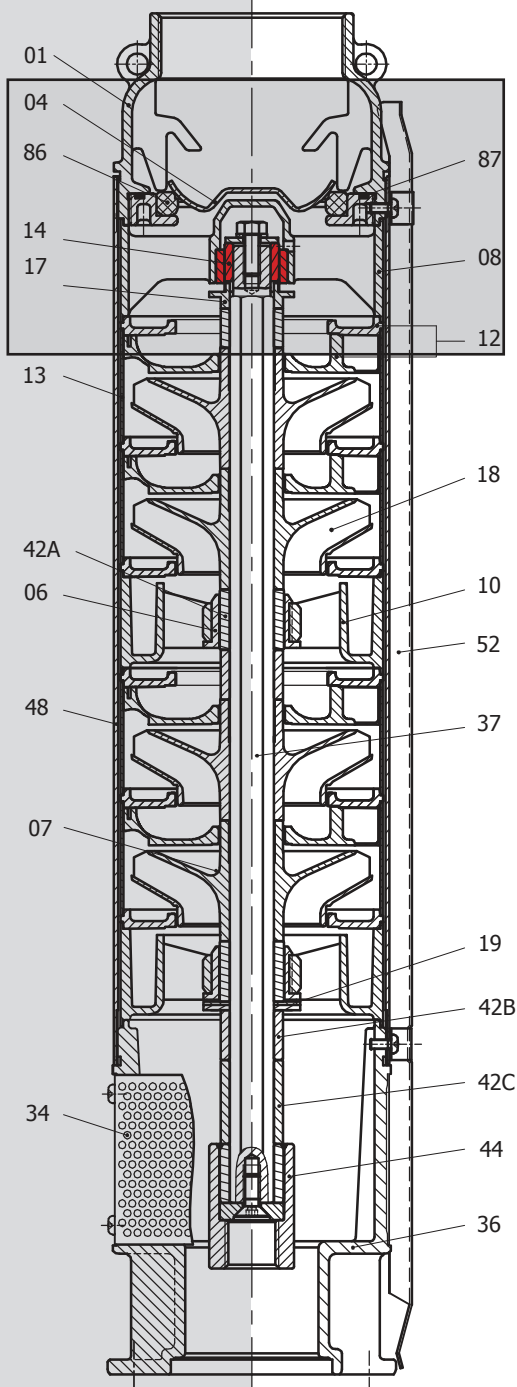
Performance range

SP 6"



Material Specification

SP 6"



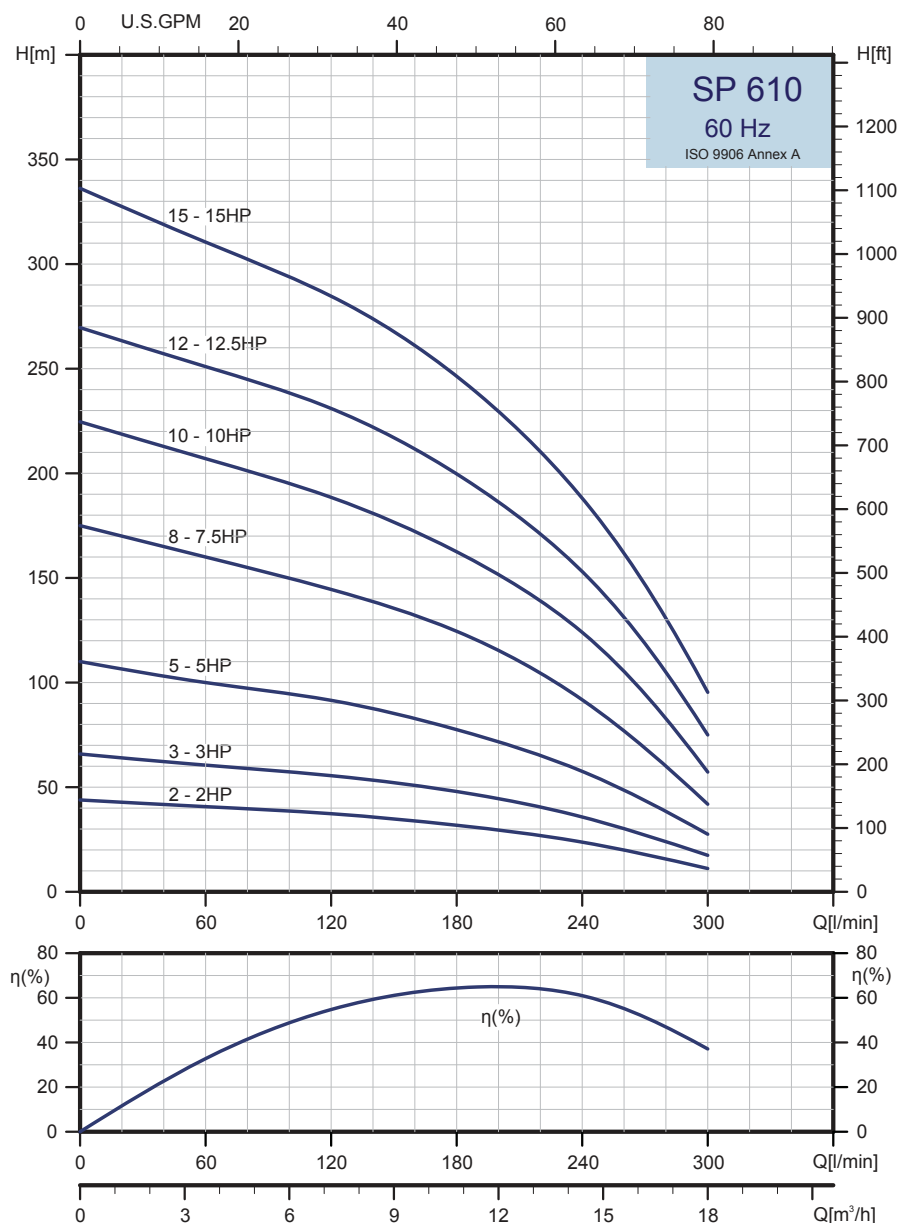
High rigidity **Silicon-Carbide(SiC) Bearing** ensure high corrosion resistance and provide long and dependable service life.

Pos.	Part Name	Material
01	Discharge	AISI 304
04	Valve cone	AISI 304
06	Bearing	POM+PTFE
07	Bearing	Bronze
08	Upper bearing spider	AISI 304 + Silicon carbide
10	Bearing Spider	Noryl
12	Diffuser	Glass Filled Polycarbonate
13	Diffuser casing	AISI 304
14	Bearing ring	Silicon carbide
17	Sleeve for boffle	AISI 304
18	Impeller	Noryl
19	Counter thrust bearing plate	Carbon fiber + PTFE
34	Strainer	AISI 304
36	Suction interconnector	AISI 304
37	Pump shaft	AISI 304
42A	Shaft sleeve	AISI 304
42B	Shaft sleeve	Noryl
42C	Shaft sleeve	Noryl
44	Coupling	AISI 304
48	Pump casing	AISI 304
52	Cable guard	AISI 304
86	Valve Seat	AISI 304 + NBR
87	O-ring	NBR

Performance Curves

SP 610

SP 6"

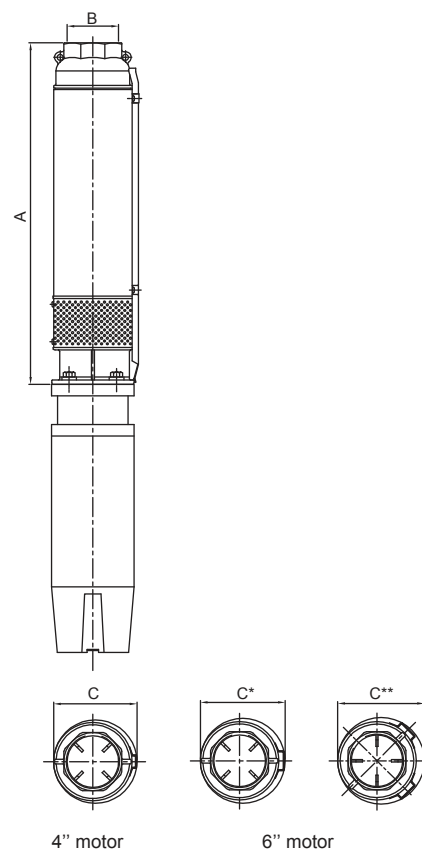


Product data

Pump Type	HP	Q(GPM)	H(ft)	Hmax(ft)
SP 610-02	2	50	101	144
SP 610-03	3	50	153	217
SP 610-05	5	50	246	361
SP 610-08	7.5	50	396	575
SP 610-10	10	50	518	737
SP 610-12	12.5	50	636	885
SP 610-15	15	50	784	1103

Dimensions and weights

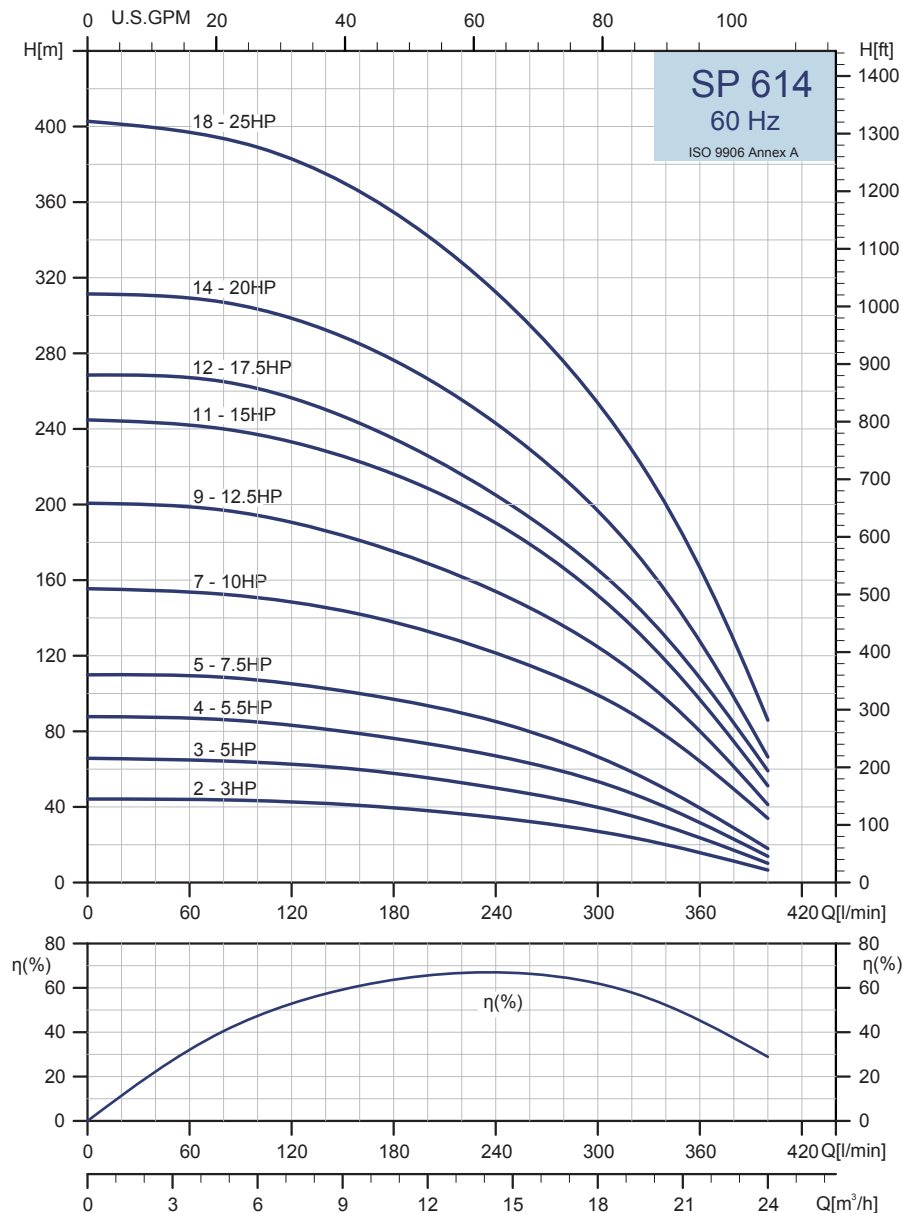
Pump type	Motor			Dimensions(mm)					Weight(kg)
	Power		Type						
	kW	HP		A	B	C	C*	C**	Pump
SP 610-02	1.5	2	4"	425	NPT3' RP3'	138			8.2
SP 610-03	2.2	3	4"	463		138			8.9
SP 610-05	3.7	5	4"	539		138			10.3
SP 610-08	5.5	7.5	4"	653		138			12.5
SP 610-10	7.5	10	4"	729		138			13.8
SP 610-08	5.5	7.5	6"	667			141	144	13.2
SP 610-10	7.5	10	6"	743			141	144	14.6
SP 610-12	9.3	12.5	6"	819			141	144	15.9
SP 610-15	11	15	6"	933			141	144	17.8



Performance Curves

SP 614

SP 6"

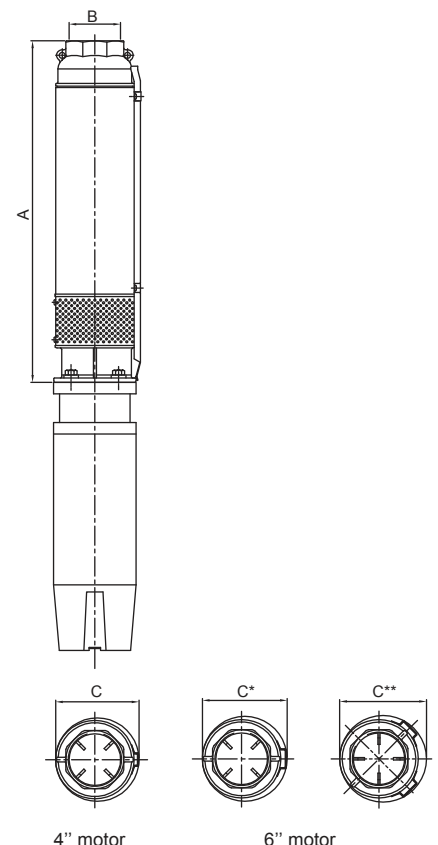


Product data

Pump Type	HP	Q(GPM)	H(ft)	Hmax(ft)
SP 614-02	3	75	97	145
SP 614-03	5	75	141	216
SP 614-04	5.5	75	190	288
SP 614-05	7.5	75	238	361
SP 614-07	10	75	348	510
SP 614-09	12.5	75	439	659
SP 614-11	15	75	538	804
SP 614-12	17.5	75	582	881
SP 614-14	20	75	692	1022
SP 614-18	25	75	891	1322

Dimensions and weights

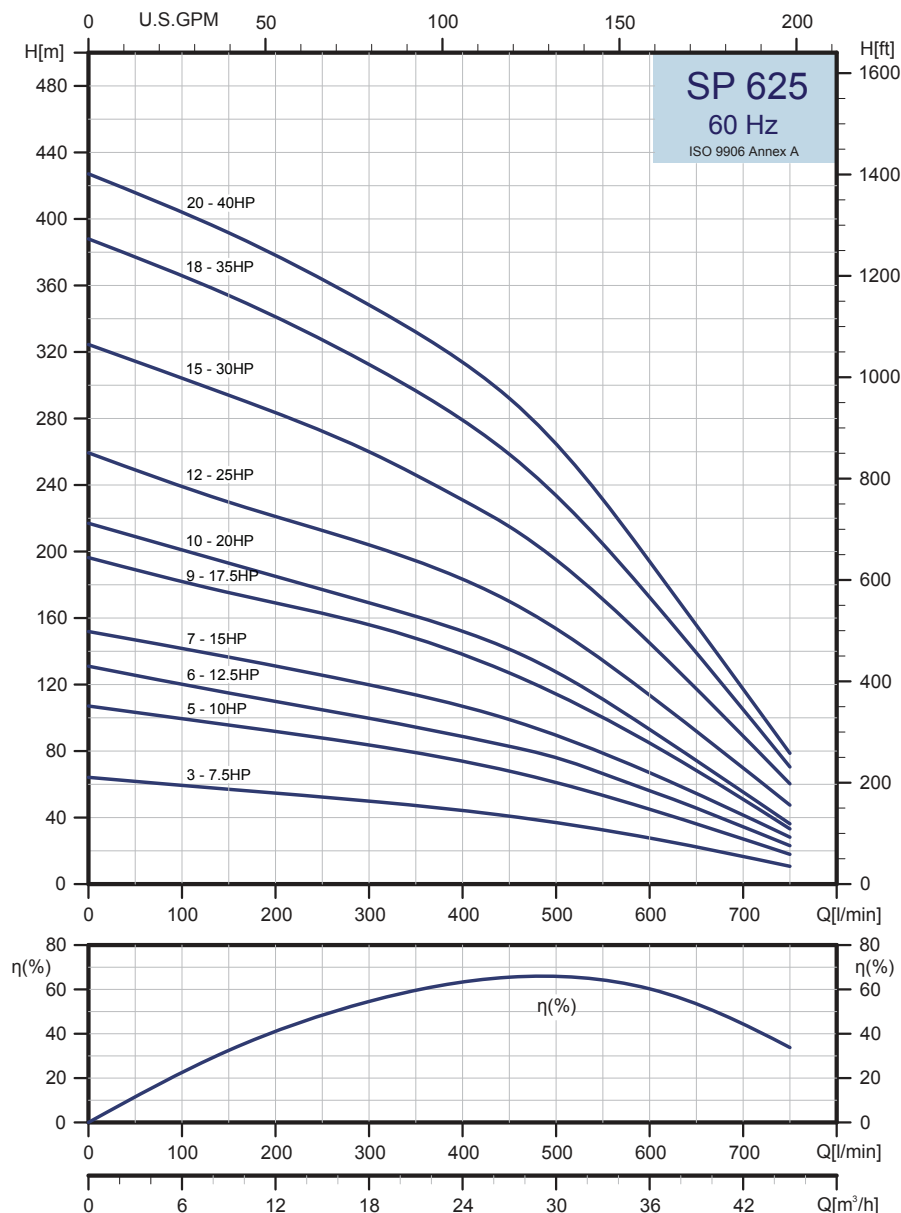
Pump type	Motor			Dimensions(mm)					Weight(kg)
	Power		Type						
	kW	HP		A	B	C	C*	C**	Pump
SP 614-2	2.2	3	4"	425		138			8.2
SP 614-3	3.7	5	4"	463		138			8.9
SP 614-4	4	5.5	4"	501		138			9.6
SP 614-5	5.5	7.5	4"	539		138			10.3
SP 614-7	7.5	10	4"	615	NPT3"	138			11.7
SP 614-5	5.5	7.5	6"	553	NPT3"		141	144	11.1
SP 614-7	7.5	10	6"	629	RP3"		141	144	12.5
SP 614-9	9.3	12.5	6"	705			141	144	13.9
SP 614-11	11	15	6"	781			141	144	15.2
SP 614-12	13	17.5	6"	819			141	144	15.8
SP 614-14	15	20	6"	895			141	144	17.2
SP 614-18	18.5	25	6"	1047			141	144	19.9



Performance Curves

SP 625

SP 6"

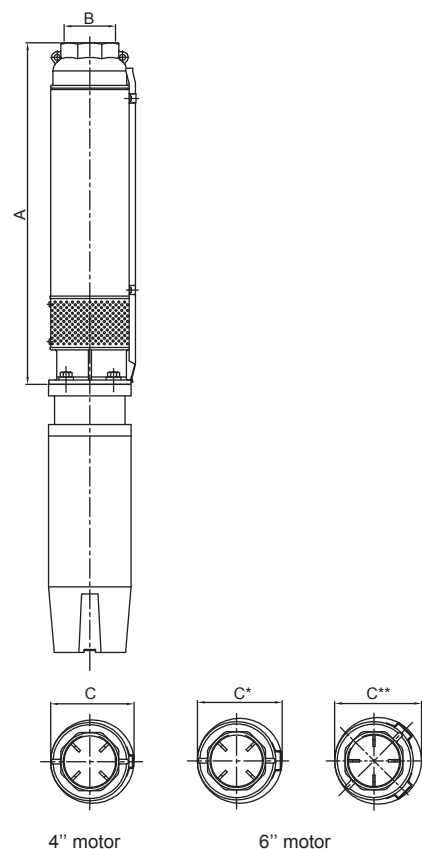


Product data

Pump Type	HP	Q(GPM)	H(ft)	Hmax(ft)
SP 625-03	7.5	135	119	211
SP 625-05	10	135	195	352
SP 625-06	12.5	135	244	430
SP 625-07	15	135	287	499
SP 625-09	17.5	135	366	645
SP 625-10	20	135	408	712
SP 625-12	25	135	491	851
SP 625-15	30	135	624	1065
SP 625-18	35	135	747	1273
SP 625-20	40	135	846	1402

Dimensions and weights

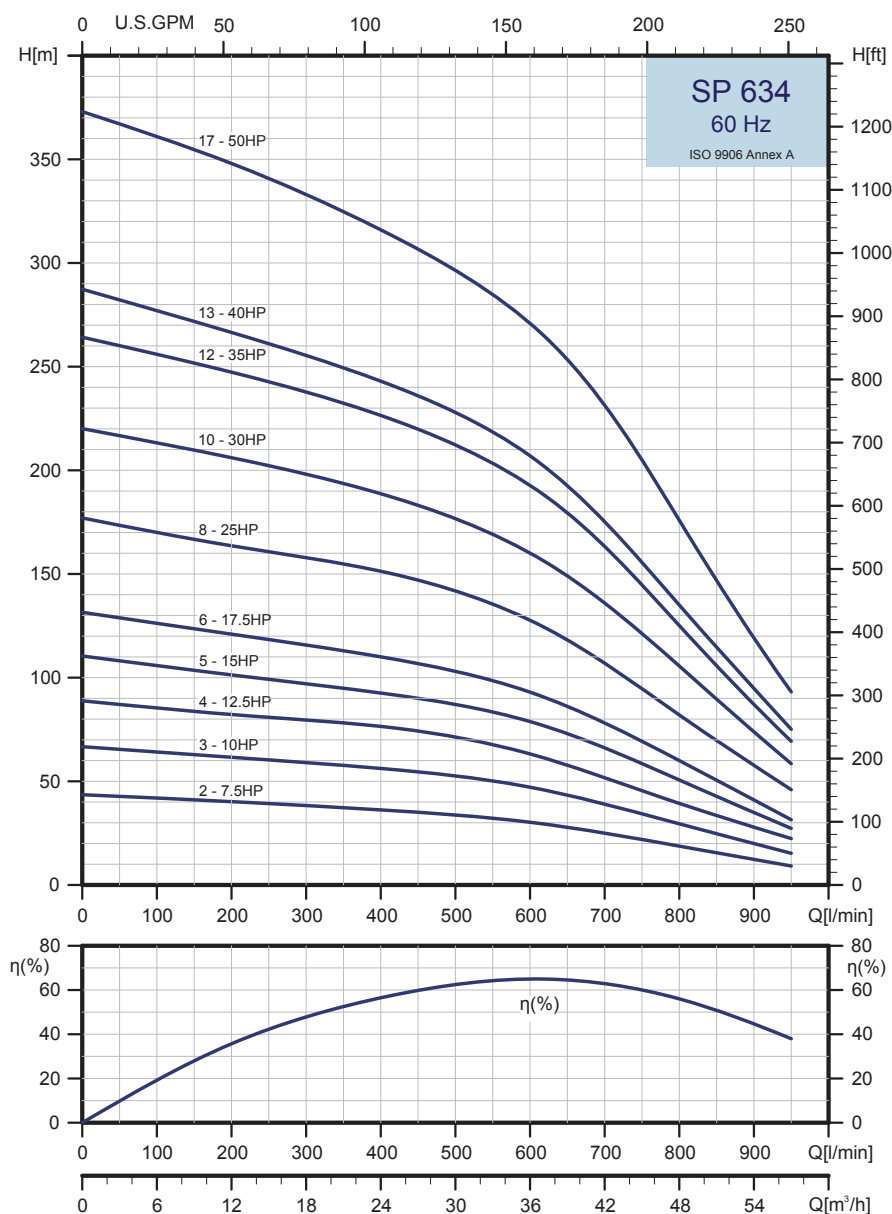
Pump type	Motor			Dimensions(mm)					Weight(kg)
	Power		Type						
	kW	HP		A	B	C	C*	C**	Pump
SP 625-3	5.5	7.5	4"	520	NPT3" RP3"	138			9.9
SP 625-5	7.5	10	4"	634		138			11.8
SP 625-3	5.5	7.5	6"	534			141	144	10.7
SP 625-5	7.5	10	6"	648			141	144	12.5
SP 625-6	9.3	12.5	6"	705			141	144	13.5
SP 625-7	11	15	6"	762			141	144	14.4
SP 625-9	13	17.5	6"	876			141	144	16.1
SP 625-10	15	20	6"	933			141	144	17
SP 625-12	18.5	25	6"	1047			141	144	18.9
SP 625-15	22	30	6"	1218			141	144	21.6
SP 625-18	26	35	6"	1389			141	144	24.3
SP 625-20	30	40	6"	1555			141	144	27



Performance Curves

SP 634

SP 6"

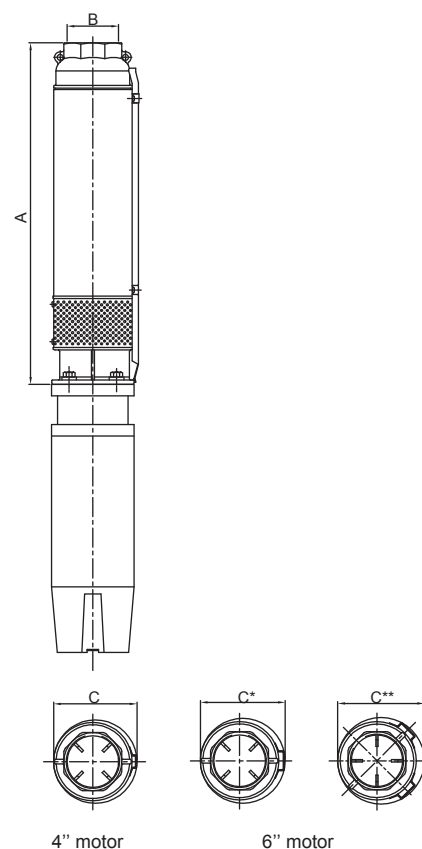


Product data

Pump Type	HP	Q(GPM)	H(ft)	Hmax(ft)
SP 634-2	7.5	180	86	143
SP 634-3	10	180	134	220
SP 634-4	12.5	180	178	292
SP 634-5	15	180	226	363
SP 634-6	17.5	180	267	432
SP 634-8	25	180	366	581
SP 634-10	30	180	463	723
SP 634-12	35	180	557	867
SP 634-13	40	180	598	943
SP 634-17	50	180	788	1224

Dimensions and weights

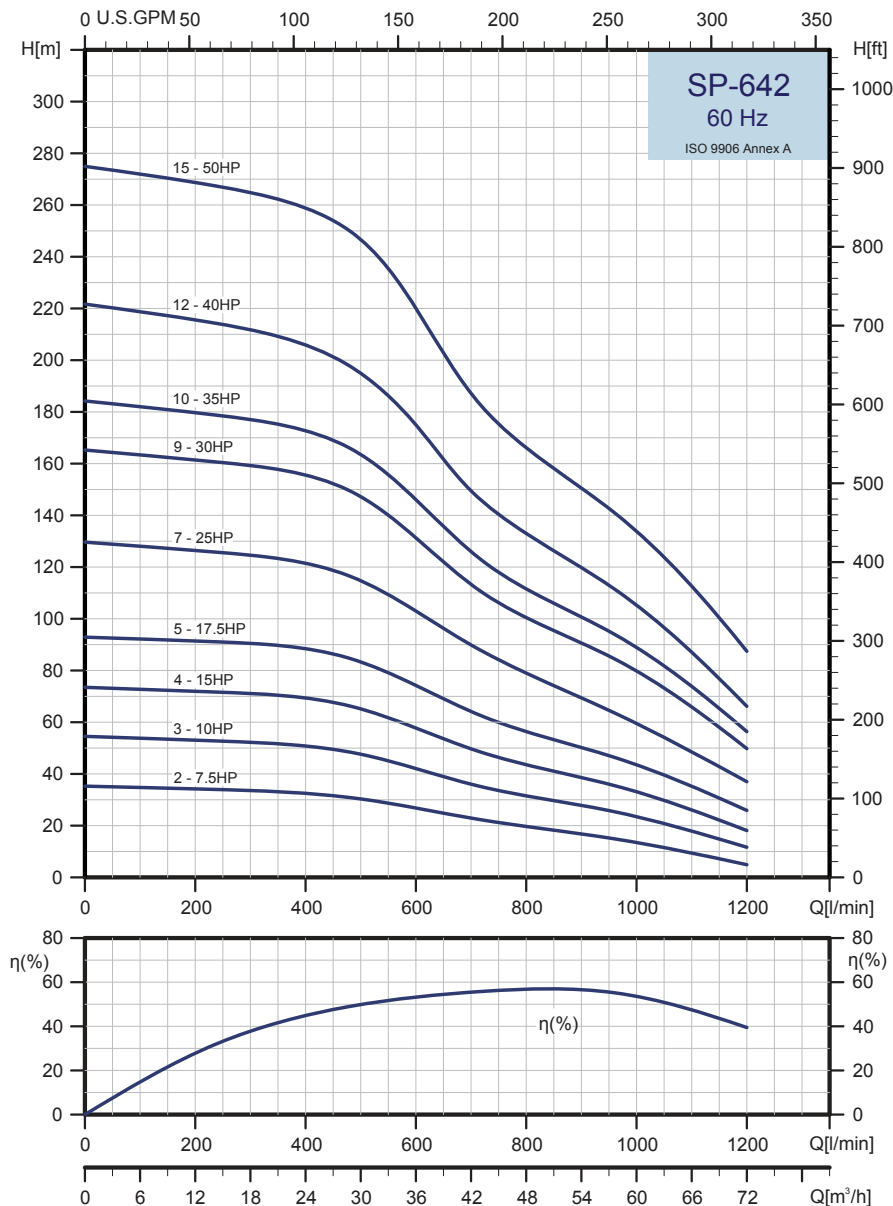
Pump type	Motor			Dimensions(mm)					Weight(kg)
	Power		Type						
	kW	HP		A	B	C	C*	C**	Pump
SP 634-2	5.5	7.5	4"	469	NPT3" RP3"	138			8.9
SP 634-3	7.5	10	4"	529		138			9.9
SP 634-2	5.5	7.5	6"	483			141	144	9.8
SP 634-3	7.5	10	6"	543			141	144	10.7
SP 634-4	9.3	12.5	6"	603			141	144	11.6
SP 634-5	11	15	6"	663			141	144	12.6
SP 634-6	13	17.5	6"	723			141	144	13.6
SP 634-8	18.5	25	6"	843			141	144	15.5
SP 634-10	22	30	6"	963			141	144	17.4
SP 634-12	26	35	6"	1083			141	144	19.2
SP 634-13	30	40	6"	1143			141	144	20.3
SP 634-17	37	50	6"	1435			141	144	24.9



Performance Curves

SP 642

SP 6"

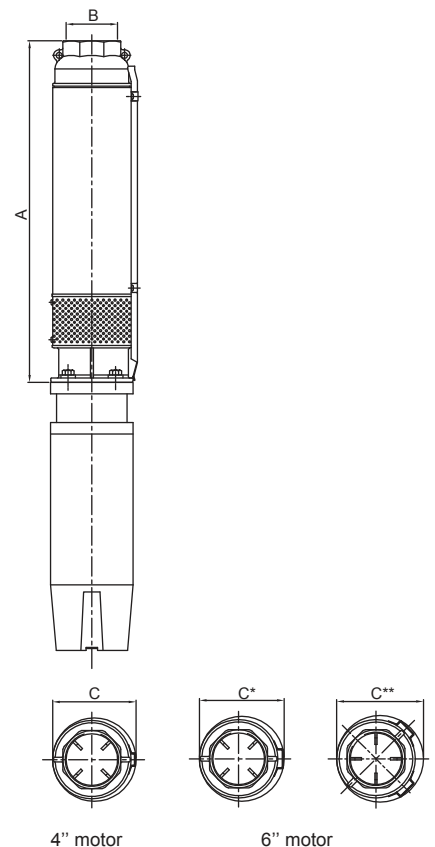


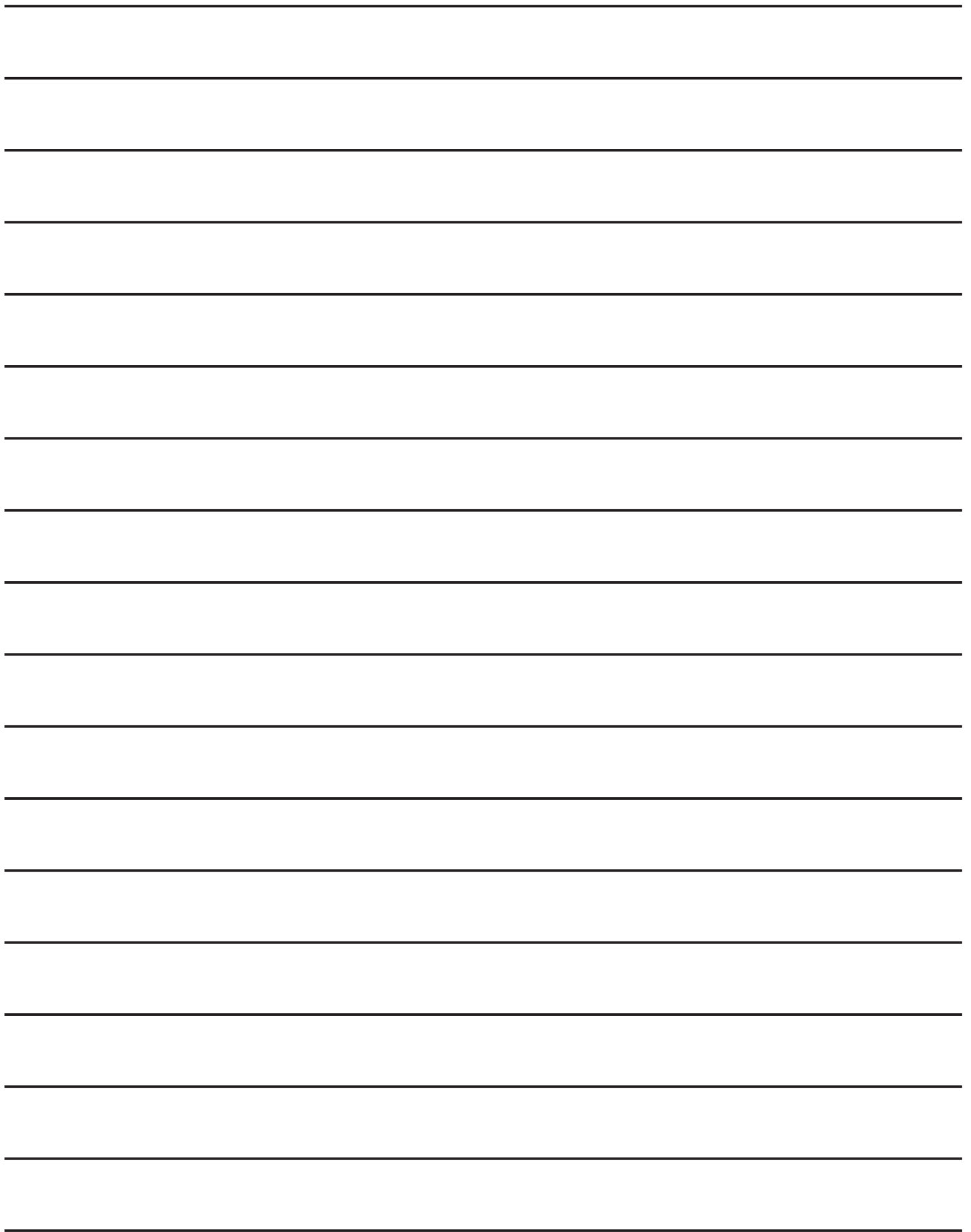
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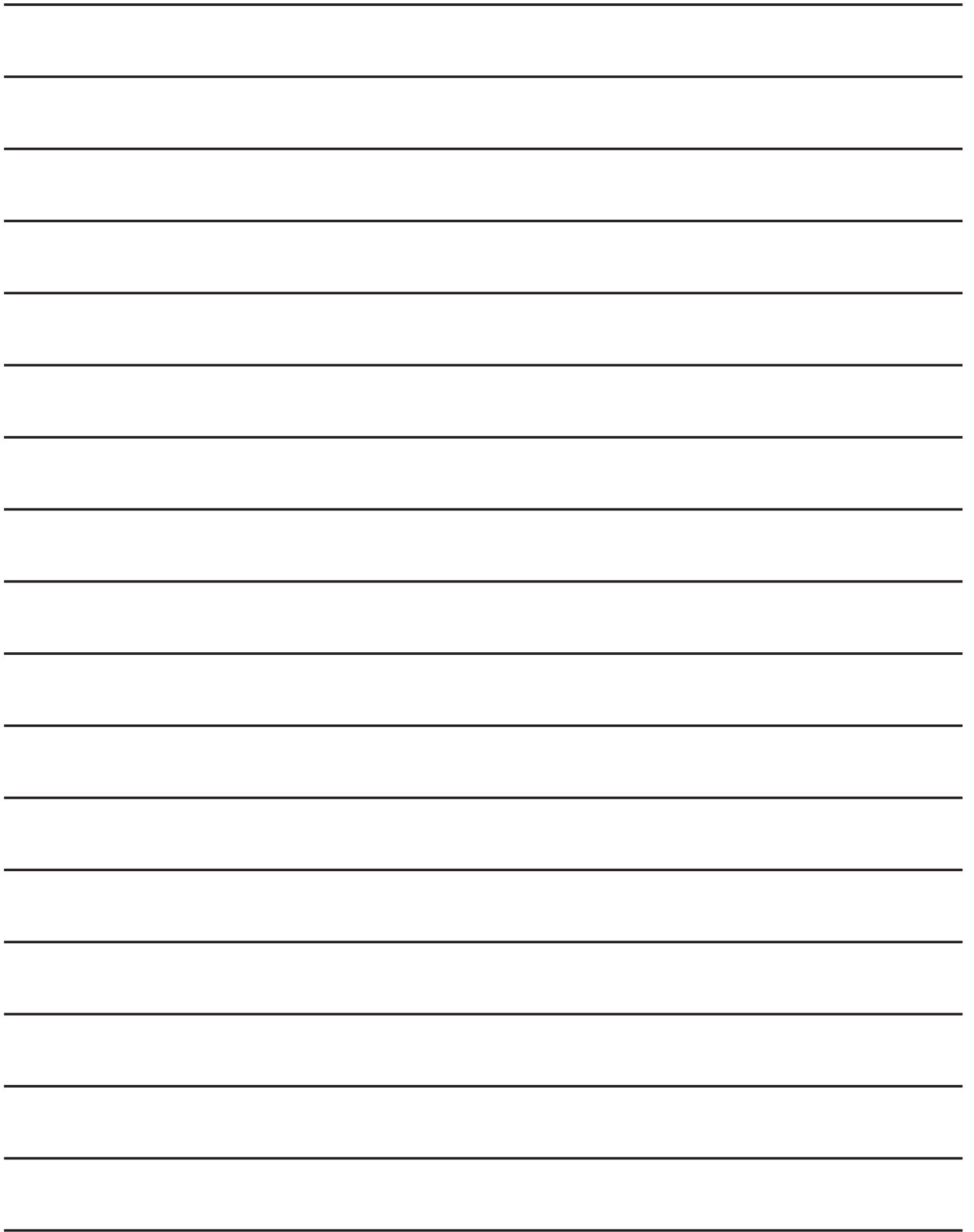
Pump Type	HP	Q(GPM)	H(ft)	Hmax(ft)
SP 642-02	7.5	220	62	116
SP 642-03	10	220	100	179
SP 642-04	15	220	138	242
SP 642-05	17.5	220	179	305
SP 642-07	25	220	249	426
SP 642-09	30	220	319	543
SP 642-10	35	220	354	605
SP 642-12	40	220	422	728
SP 642-15	50	220	528	903

Dimensions and weights

Pump type	Motor			Dimensions(mm)					Weight(kg)
	Power		Type						
	kW	HP		A	B	C	C*	C**	Pump
SP 642-2	5.5	7.5	4"	469	NPT3" RP3"	138			8.9
SP 642-3	7.5	10	4"	529		138			9.9
SP 642-2	5.5	7.5	6"	483			141	144	9.8
SP 642-3	7.5	10	6"	543			141	144	10.7
SP 642-4	11	15	6"	603			141	144	11.7
SP 642-5	13	17.5	6"	663			141	144	12.6
SP 642-7	18.5	25	6"	783			141	144	14.5
SP 642-9	22	30	6"	903			141	144	16.5
SP 642-10	26	35	6"	963			141	144	17.5
SP 642-12	30	40	6"	1083			141	144	19.5
SP 642-15	37	50	6"	1263			141	144	22.6









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