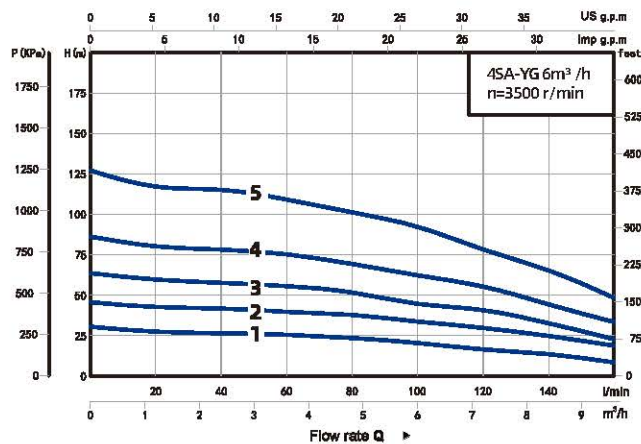
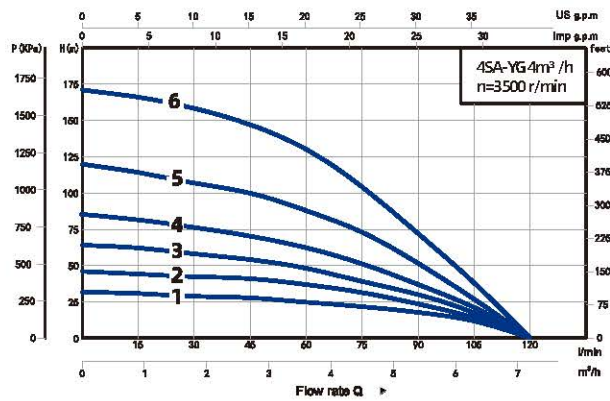
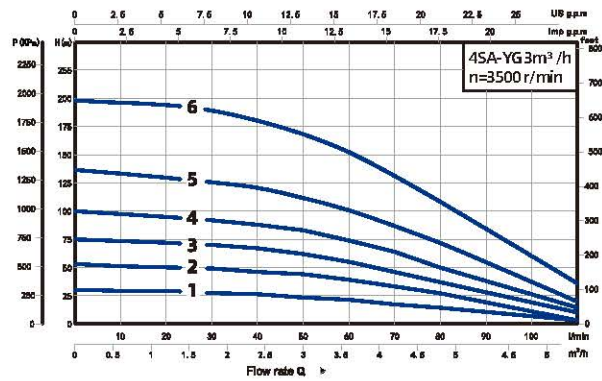
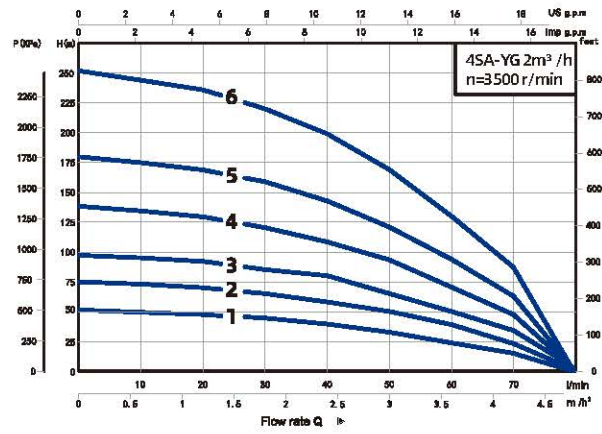
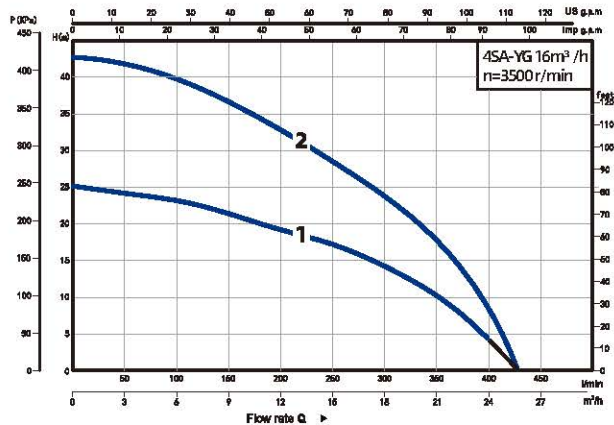
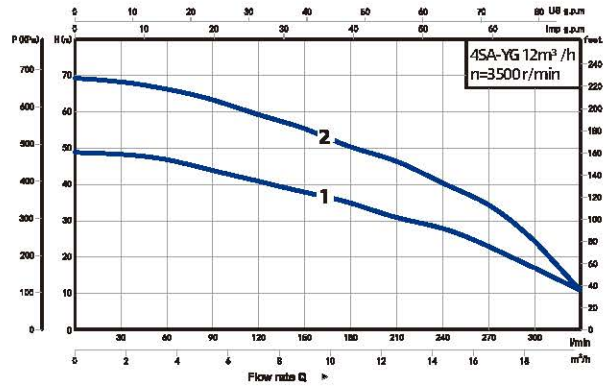
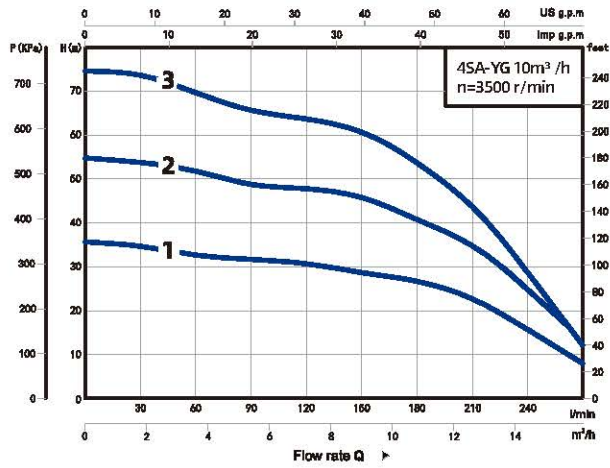
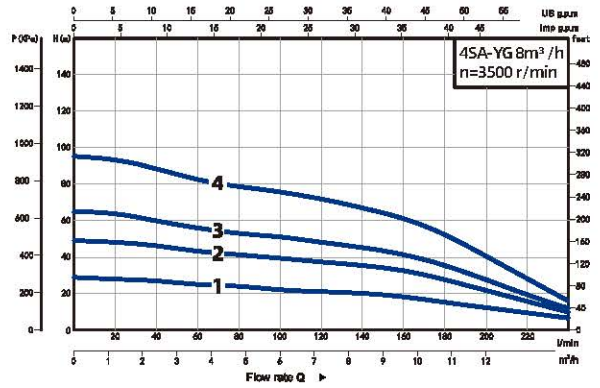


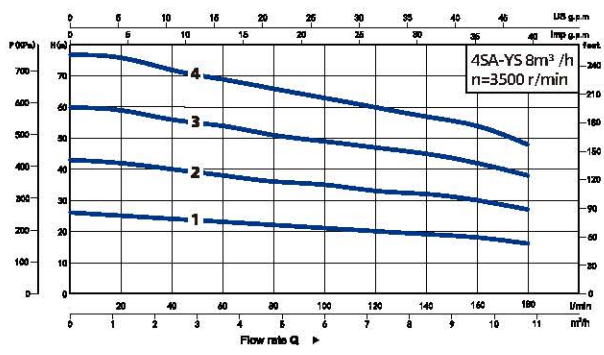
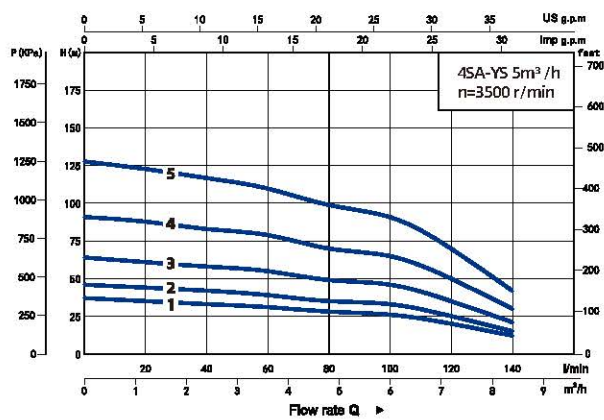
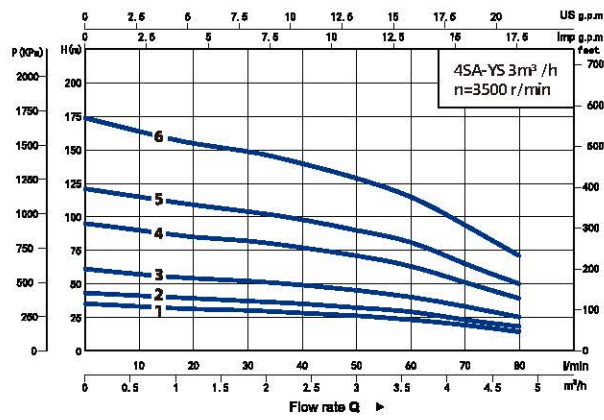
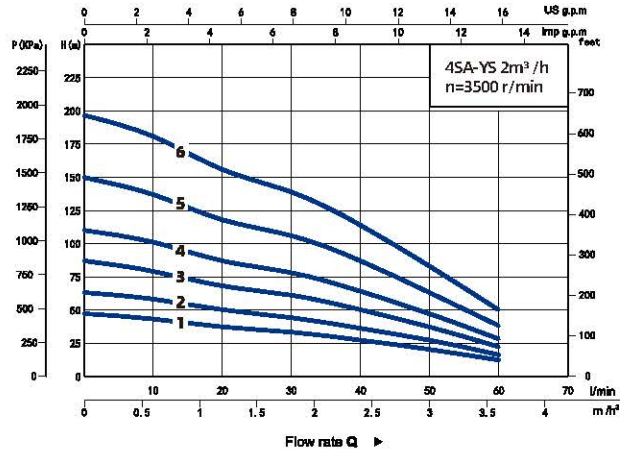
Performance Curve



Performance Curve



Performance Curve



No.	Model	Input Power P1 (W)	BestDC Range Voc(V)	Max. Flow m³/h	Max. Head m	Flow										Recommend SolarPannel Power(W)
						m³/h	0	0.6	1.2	1.8	2.4	3	3.6	4.2		
						l/min	0	10	20	30	40	50	60	70		
1	4SA5-52-72-0.9YG	0.9	60-90	5	52	H(m)	52	50	48	45	40	33	24	15	≥1200	
2	4SA5-75-96-11YG	1.1	100-140	5	75		75	73	70	65	58	50	39	23	≥1400	
3	4SA5-94-120-1.3YG	1.3	120-160	5	94		94	92	89	82	77	62	47	31	≥1700	
4	4SA5-138-310-2YG(A/D)	2.2	300-405	5	138		138	134	129	120	108	93	70	47	≥2800	
5	4SA5-180-310-2.6YG(A/D)	2.6	300-405	5	180		180	175	169	159	143	121	94	63	≥3300	
6	4SA5-258-310-3.4YG(A/D)	3.4	300-405	5	258		258	250	242	226	205	175	136	93	≥4400	

No.	Model	Input Power P1 (W)	BestDC Range Voc(V)	Max. Flow m³/h	Max. Head m	Flow										Recommend SolarPannel Power(W)	
						m³/h	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8		5.4
						l/min	0	10	20	30	40	50	60	70	80		90
1	4SA6.531-72-0.75YG	0.75	60-90	6.5	31	H(m)	31	30.1	30	28	27	24	18	18	15	12	≥1000
2	4SA6.5-53-96-11YG	1.1	100-140	6.5	53		51.2	51	50	49	46	44	33	33	27	19	≥1400
3	4SA6.5-75-120-1.3YG	1.3	120-160	6.5	75		75	72.2	72	70	67	62	46	46	37	28	≥1700
4	4SA6.5-98-310-2YG(A/D)	2.2	300-405	6.5	98		95	94	93	90	86	81	62	62	48	33	≥2300
5	4SA6.5-132-310-2.6YG(A/D)	2.6	300-405	6.5	132		127	126	125	121	116	107	82	82	67	50	≥3300
6	4SA6.5-195-310-3.4YG(A/D)	3.4	300-405	6.5	195		194	193	191	186	177	165	128	128	105	81	≥4400

No.	Model	Input Power P1 (W)	BestDC Range Voc(V)	Max. Flow m³/h	Max. Head m	Flow										Recommend SolarPannel Power(W)
						m³/h	0	0.9	1.8	2.7	3.6	4.5	5.4	6.3	7.2	
						l/min	0	15	30	45	60	75	90	105	120	
1	4SA8-30-72-0.75YG	0.75	60-90	8	30	H(m)	30	28	27	26	23	20	16	10	3	≥1000
2	4SA8-42-96-11YG	1.1	100-140	8	42		42	39	38	37	33	29	23	16	7	≥1400
3	4SA8-64-120-1.3YG	1.3	120-160	8	64		64	61	58	56	51	45	36	25	12	≥1700
4	4SA8-85-310-2YG(A/D)	2.2	300-405	8	85		85	81	79	75	69	60	49	35	17	≥2300
5	4SA8-117-310-2.6YG(A/D)	2.6	300-405	8	117		117	111	108	102	94	83	67	48	26	≥3300
6	4SA8-171-310-3.4YG(A/D)	3.4	300-405	8	171		171	163	158	151	139	124	101	74	38	≥4400

No.	Model	Input Power P1 (W)	BestDC Range Voc(V)	Max. Flow m³/h	Max. Head m	Flow										Recommend SolarPannel Power(W)
						m³/h	0	1.2	2.4	3.6	4.8	6	7.2	8.4	9.6	
						l/min	0	20	40	60	80	100	120	140	160	
1	4SA12-32-96-11YG	1.1	100-140	12	32	H(m)	32	29	28	27	25	22	20	15	10	≥1400
2	4SA12-42-120-1.2YG	1.2	120-160	12	42		42	39	38	36	34	30	26	21	15	≥1500
3	4SA12-64-310-2YG(A/D)	1.8	300-405	12	64		64	60	58	56	52	45	41	33	23	≥2300
4	4SA12-86-310-2.6YG(A/D)	2.6	300-405	12	86		86	80	78	75	69	62	55	44	33	≥3300
5	4SA12-128-310-3.4YG(A/D)	3.4	300-405	12	128		128	118	116	110	102	93	79	66	49	≥4400

No.	Model	Input Power P1 (W)	BestDC Range Voc(V)	Max. Flow m³/h	Max. Head m	Flow												Recommend SolarPannel Power(W)
						m³/h	0	1.2	2.4	3.6	4.8	6	7.2	8.4	9.6	10.8	12	
						l/min	0	20	40	60	80	100	120	140	160	180	200	
1	4SA15-28-120-11YG	1.1	120-160	15	28	H(m)	28	27	26	24	23	21	20	19	17	14	11	≥1400
2	4SA15-46-310-2YG(A/D)	1.8	300-405	15	46		46	45	43	40	38	36	34	32	29	24	18	≥2300
3	4SA15-65-310-2.6YG(A/D)	2.6	300-405	15	65		65	64	60	56	53	51	48	45	41	35	27	≥3300
4	4SA15-94-310-3.4YG(A/D)	3.4	300-405	15	94		94	92	87	81	77	74	70	65	59	50	38	≥4400

No.	Model	Input Power P1	BestDC Range	Max. Flow	Max. Head	Flow										Recommend SolarPannel Power(W)
						m ³ /h	0	1.8	3.6	5.4	7.2	9	10.8	12.6	14.4	
		(W)	Voc(V)	m ³ /h	m	l/min	0	30	60	90	120	150	180	210	240	
1	4SA175-36-310-2YG(A/D)	2.2	300-405	17.5	36	H(m)	36	35	33	32	31	29	27	23	16	≥2800
2	4SA175-54-310-2.6YG(A/D)	2.6	300-405	17.5	54		54	53	51	48	47	45	40	34	24	≥3300
3	4SA175-74-310-3.4YG(A/D)	3.4	300-405	17.5	74		74	73	69	65	63	60	53	43	28	≥4400

No.	Model	Input Power P1	BestDC Range	Max. Flow	Max. Head	Flow										Recommend SolarPannel Power(W)		
						m ³ /h	0	1.8	3.6	5.4	7.2	9	10.8	12.6	14.4		16.2	18
		(W)	Voc(V)	m ³ /h	m	l/min	0	30	60	90	120	150	180	210	240		270	300
1	4SA22-48-310-2.6YG(A/D)	2.6	300-405	22	48	H(m)	48	47	46	43	40	37	34	30	27	22	16	≥3300
2	4SA22-68-310-3.4YG(A/D)	3.4	300-405	22	68		68	67	65	62	57	54	49	45	39	33	23	≥4400

No.	Model	Input Power P1	BestDC Range	Max. Flow	Max. Head	Flow										Recommend SolarPannel Power(W)
						m ³ /h	0	3	6	9	12	15	18	21	24	
		(W)	Voc(V)	m ³ /h	m	l/min	0	50	100	150	200	250	300	350	400	
1	4SA24.8-26-310-2.6YG(A/D)	2.6	300-405	24.8	26	H(m)	27	25	24	22	20	18	15	11	5	≥2800
2	4SA24.8-43-310-3.4YG(A/D)	3.4	300-405	24.8	43		43	41	40	36	31	28	24	18	8	≥4400

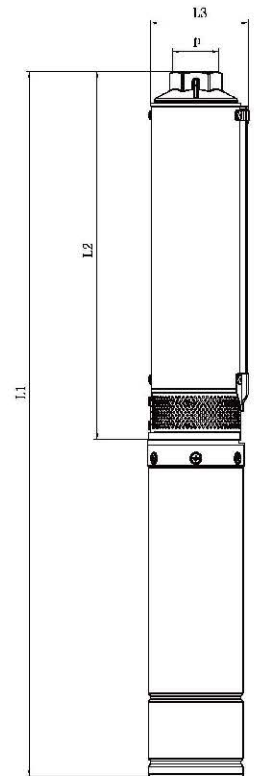
No.	Model	Input Power P1	BestDC Range	Max. Flow	Max. Head	Flow								Recommend SolarPannel Power(W)
						m ³ /h	0	0.6	1.2	1.8	2.4	3	3.6	
		(W)	Voc(V)	m ³ /h	m	l/min	0	10	20	30	40	50	60	
1	4SA4.5-52-72-0.9YS	0.9	60-90	4.5	52	H(m)	47	43	37	33	27	20	12	≥1200
2	4SA4.5-70-96-1.1YS	1.1	100-140	4.5	70		63	58	50	44	36	27	16	≥1400
3	4SA4.5-85-120-13YS	1.3	120-160	4.5	85		87	79	68	61	50	37	22	≥1700
4	4SA4.5-125-310-2YS(A/D)	2	300-405	4.5	125		110	101	87	78	64	47	28	≥2500
5	4SA4.5-170-310-2.6YS(A/D)	2.6	300-405	4.5	170		150	137	118	106	87	63	38	≥3300
6	4SA4.5-230-310-3.4YS(A/D)	3.4	300-405	4.5	230		197	181	156	139	114	83	50	≥4300

No.	Model	Input Power P1	BestDC Range	Max. Flow	Max. Head	Flow										Recommend SolarPannel Power(W)
						m ³ /h	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	
		(W)	Voc(V)	m ³ /h	m	l/min	0	10	20	30	40	50	60	70	80	
1	4SA6-35-72-0.75YS	0.75	60-90	6	35	H(m)	35	33	31	30	28	26	23	19	14	≥1000
2	4SA6-43-96-1.1YS	1.1	100-140	6	43		43	41	39	37	35	32	29	23	18	≥1400
3	4SA6-61-120-1.3YS	1.3	120-160	6	61		61	57	54	52	49	45	40	33	25	≥1700
4	4SA6-95-310-2YS(A/D)	2	300-405	6	95		95	90	85	82	77	71	63	51	39	≥2500
5	4SA6-121-310-2.6YS(A/D)	2.6	300-405	6	121		121	115	109	104	98	90	81	65	50	≥3300
6	4SA6-174-310-34YS(A/D)	3.4	300-405	6	174		174	164	155	149	140	129	115	94	71	≥4300

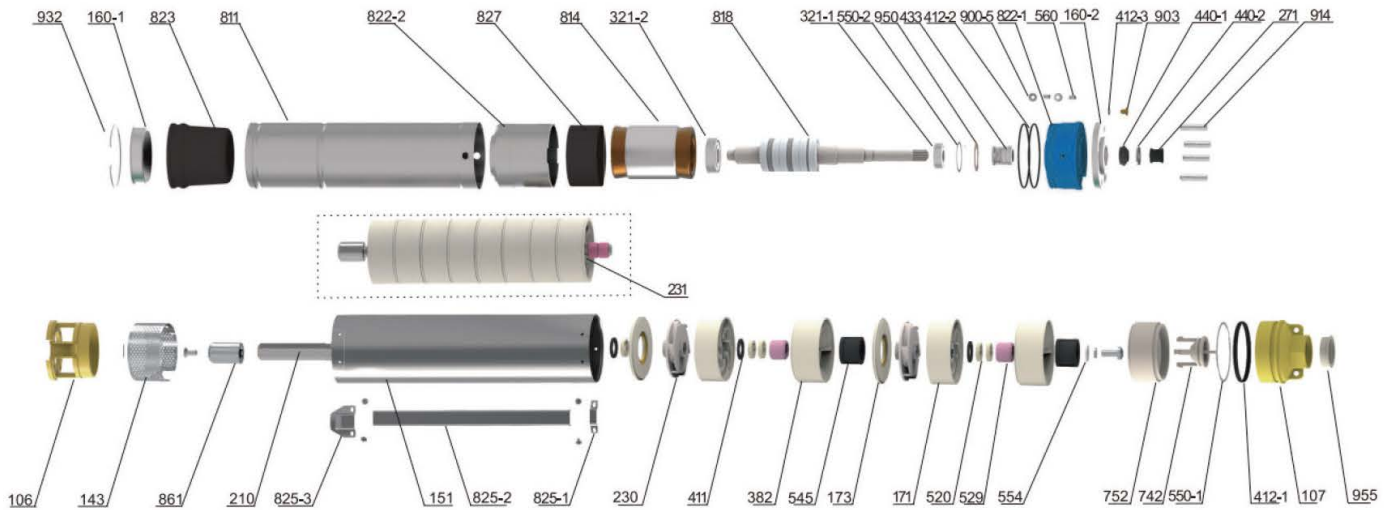
No.	Model	Input Power P1	BestDC Range	Max. Flow	Max. Head	Flow										Recommend SolarPannel Power(W)
						m ³ /h	0	1.2	2.4	3.6	4.8	6	7.2	8.4		
		(W)	Voc(V)	m ³ /h	m	l/min	0	20	40	60	80	100	120	140		
1	4SA9.5-37-96-1.1YS	1.1	100-140	9.5	37	H(m)	37	35	33	31	28	26	20	12	≥1400	
2	4SA9.5-46-120-1.3YS	1.3	120-160	9.5	46		46	44	42	39	35	33	25	15	≥1700	
3	4SA9.5-64-310-2YS(A/D)	2	300-405	9.5	64		64	61	58	55	49	46	35	21	≥2500	
4	4SA9.5-91-310-2.6YS(A/D)	2.6	300-405	9.5	91		91	88	83	79	70	65	50	30	≥3300	
5	4SA9.5-128-310-3.4YS(A/D)	3.4	300-405	9.5	128		128	123	117	110	99	91	70	42	≥4300	

No.	Model	Input Power P1	BestDC Range	Max. Flow	Max. Head	Flow										Recommend SolarPannel Power(W)	
						m ³ /h	0	1.2	2.4	3.6	4.8	6	7.2	8.4	9.6		10.8
		(W)	Voc(V)	m ³ /h	m	l/min	0	20	40	60	80	100	120	140	160		180
1	4SA16-26-120-1.3YS	1.3	120-160	16	26	H(m)	26	25	24	23	22	21	20	19	18	16	≥1700
2	4SA16-43-310-2YS(A/D)	2	300-405	16	43		43	42	40	38	36	35	33	32	30	27	≥2500
3	4SA16-60-310-2.6YS(A/D)	2.6	300-405	16	60		60	59	56	54	51	49	47	45	42	38	≥3300
4	4SA16-77-310-3.4YS(A/D)	3.4	300-405	16	77		77	76	72	69	66	63	60	57	54	48	≥4300

Model	P-Pipe Connection (Inch)	L1 (mm)	L2 (mm)	L3 (mm)	G.W. (KG)	PackageSize (mm)	PVPanel Connection (340W45V)
4SA5-52-72-0.9YG	G1-1/4	610	286.5	102	14.0	1030x255x125	2S2P
4SA5-75-96-11YG	G1-1/4	665	336.5	102	15.0	1090x255x125	3S2P
4SA5-94-120-1.3YG	G1-1/4	723	387.5	102	15.0	1130x255x125	3S2P
4SA5-138-310-2YG(A/D)	G1-1/4	828	481.5	102	24.0	1370x290x195	8S
4SA5-180-310-2.6YG(A/D)	G1-1/4	938	581.5	102	25.0	1480x290x195	9S
4SA5-258-310-3.4YG(A/D)	G1-1/4	1170	790.5	102	29.0	1710x290x195	7S2P
4SA6.531-72-0.75YG	G1-1/4	561	237.5	102	14.0	970x255x125	2S2P
4SA6.5-53-96-11YG	G1-1/4	618	289.5	102	14.0	1030x255x125	3S2P
4SA6.5-75-120-1.3YG	G1-1/4	677	341.5	102	15.0	1090x255x125	3S2P
4SA6.5-98-310-2YG(A/D)	G1-1/4	740	393.5	102	23.0	1280x290x195	8S
4SA6.5-132-310-2.6YG(A/D)	G1-1/4	828	471.5	102	24.0	1370x290x195	9S
4SA65-195-310-3.4YG(A/D)	G1-1/4	1007	627.5	102	27.0	1550x290x195	7S2P
4SA8-30-72-0.75YG	G1-1/4	570	246.5	102	14.0	990x255x125	2S2P
4SA8-42-96-11YG	G1-1/4	604	275.5	102	14.0	1030x255x125	3S2P
4SA8-64-120-1.3YG	G1-1/4	669	333.5	102	15.0	1090x255x125	3S2P
4SA8-85-310-2YG(A/D)	G1-1/4	738	391.5	102	23.0	1280x290x195	8S
4SA8-117-310-26YG(A/D)	G1-1/4	835	478.5	102	24.0	1370x290x195	9S
4SA8-171-310-3.4YG(A/D)	G1-1/4	1073	693.5	102	27.5	1610x290x195	7S2P
4SA12-32-96-11YG	G1-1/2	580	251.5	102	14.0	990x255x125	3S2P
4SA12-42-120-1.2YG	G1-1/2	618	282.5	102	14.0	1030x255x125	3S2P
4SA12-64-310-2YG(A/D)	G1-1/2	702	355.5	102	22.0	1240x290x195	8S
4SA12-86-310-26YG(A/D)	G1-1/2	778	421.5	102	23.0	1320x290x195	9S
4SA12-128-310-3.4YG(A/D)	G1-1/2	967	587.5	102	26.0	1510x290x195	7S2P
4SA15-28-120-11YG	G2	609	273.5	102	14.0	1030x255x125	3S2P
4SA15-46-310-2YG(A/D)	G2	696	349.5	102	22.0	1240x290x195	8S
4SA15-65-310-2.6YG(A/D)	G2	782	425.5	102	23.5	1320x290x195	9S
4SA15-94-310-3.4YG(A/D)	G2	954	574.5	102	26.0	1490x290x195	7S2P
4SA175-36-310-2YG(A/D)	G2	659	312.5	102	21.5	1200x290x195	8S
4SA175-54-310-2.6YG(A/D)	G2	744	387.5	102	23.0	1280x290x195	9S
4SA175-74-310-3.4YG(A/D)	G2	878	498.5	102	25.0	1420x290x195	7S2P
4SA22-48-310-2.6YG(A/D)	G2	815	458.5	102	24.0	1350x290x195	9S
4SA22-68-310-3.4YG(A/D)	G2	935	555.5	102	26.0	1470x290x195	7S2P
4SA24.8-26-310-2.6YG(A/D)	G2	793	436.5	102	23.0	1330x290x195	9S
4SA24.8-43-310-3.4YG(A/D)	G2	968	588.5	102	26.5	1510x290x195	7S2P
4SA4.5-52-72-0.9YS	G1-1/4	577	285.5	102	14.0	990x255x125	2S2P
4SA4.5-70-96-1.1YS	G1-1/4	624	290.5	102	15.0	1030x255x125	3S2P
4SA4.5-85-120-1.3YS	G1-1/4	694	297.5	102	15.5	1090x255x125	3S2P
4SA4.5-125-310-2YS(A/D)	G1-1/4	768	308.5	102	25.5	1300x290x195	8S
4SA4.5-170-310-2.6YS(A/D)	G1-1/4	883	318.5	102	27.5	1410x290x195	9S
4SA4.5-230-310-3.4YS(A/D)	G1-1/4	1032	341.5	102	30.0	1560x290x195	7S2P
4SA6-35-72-0.75YS	G1-1/4	535	285.5	102	14.0	950x255x125	2S2P
4SA6-43-96-1.1YS	G1-1/4	561	290.5	102	14.0	970x255x125	3S2P
4SA6-61-120-1.3YS	G1-1/4	610	297.5	102	15.0	1030x255x125	3S2P
4SA6-95-310-2YS(A/D)	G1-1/4	705	308.5	102	24.5	1230x290x195	8S
4SA6-121-310-2.6YS(A/D)	G1-1/4	778	318.5	102	25.5	1300x290x195	9S
4SA6-174-310-34YS(A/D)	G1-1/4	927	341.5	102	30.0	1450x290x195	7S2P
4SA9.5-37-96-1.1YS	G1-1/2	553	290.5	102	14.0	970x255x125	3S2P
4SA9.5-46-120-1.3YS	G1-1/2	583	297.5	102	14.5	990x255x125	3S2P
4SA9.5-64-310-2YS(A/D)	G1-1/2	642	308.5	102	24.0	1170x290x195	8S
4SA9.5-91-310-2.6YS(A/D)	G1-1/2	724	318.5	102	24.5	1250x290x195	9S
4SA9.5-128-310-3.4YS(A/D)	G1-1/2	843	341.5	102	28.5	1370x290x195	7S2P
4SA16-26-120-1.3YS	G2	589	297.5	102	15.0	990x255x125	3S2P
4SA16-43-310-2YS(A/D)	G2	684	308.5	102	25.0	1210x290x195	8S
4SA16-60-310-2.6YS(A/D)	G2	778	318.5	102	26.5	1300x290x195	9S
4SA16-77-310-3.4YS(A/D)	G2	885	341.5	102	30.0	1410x290x195	7S2P



Components & Materials



No.	Part name	No.	Part name	No.	Part name	No.	Part name
106	Inlet. joint	321-1	Deep groove ball bearing	545	Rubber bearing	825-1	Clamp
107	Delivery chamber	321-2	Deep groove ball bearing	550-1	Adjusting washer	825-2	Cable clamp
143	Net cover	382	Bearing seat	550-2	Washer	825-3	Clamp
151	Sleeve	411	Wear washer	554	Washer	827	Top spacer sleeve
160-1	Bottom cover	412-1	O-ring	560	Location pin	904	Air release cock
160-2	Cover plate	412-2	O-ring	742	Bonnet	914	Hexagon socket set screw
171	Guide vane	412-3	O-ring	752	Valve set	932	Spacer sleeve
173	Guide vane cover plate	433	Mechanical seal	814	Stator	950	Wave spring
210	Pump shaft	440-1	Sand prevention seat	818	Rotor	955	Dust prevention cover
230	Impeller	440-2	Sand prevention pad	822-1	Oil chamber		
231	Impeller string	520	Spacer bush	822-2	Bottom bearing seat		
271	Sand prevention cover	529	Shaft sleeve	823	Regulating membrane		