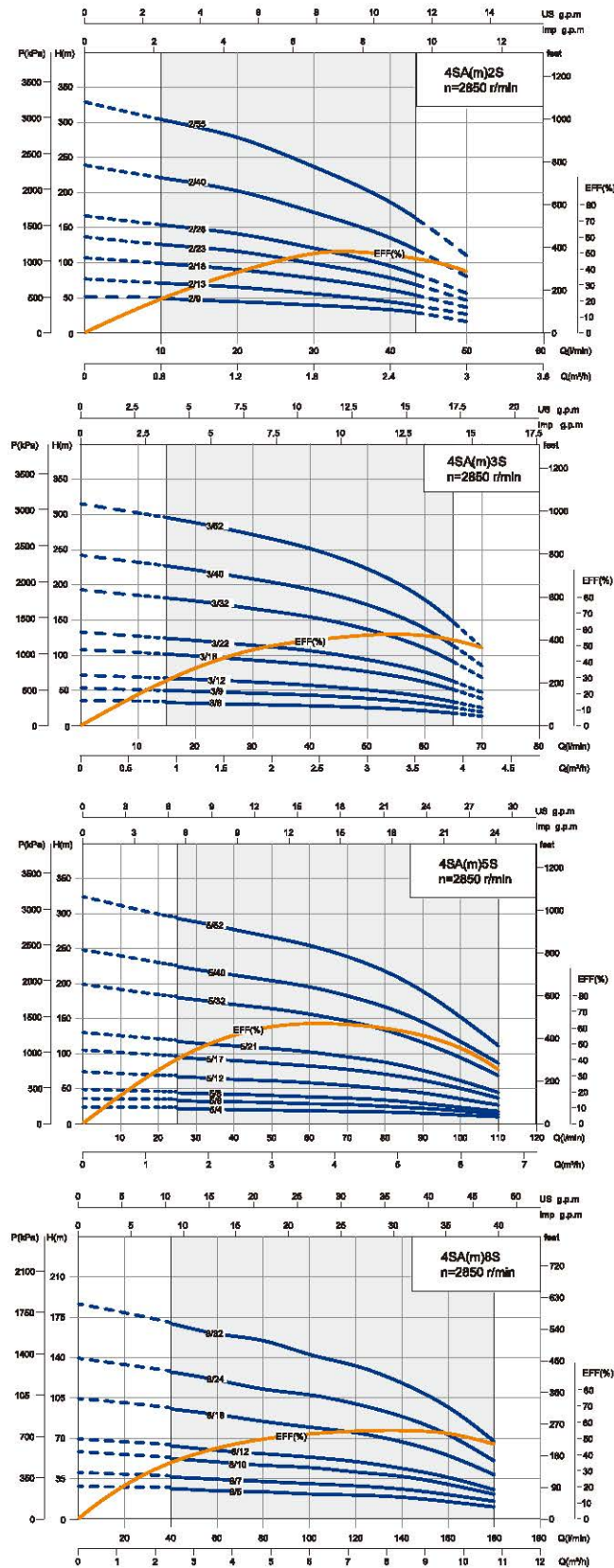


Performance Curve



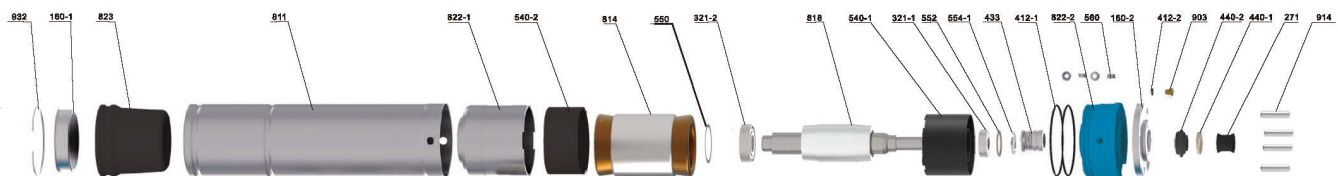
Model		Power		Rate Current (A)		Flow							Head Range (m)
Single-Phase	Three-Phase	kW	HP	Single-Phase	Three-Phase	m ³ /h	0	0.6	1.2	1.8	2.4	3	
220V	380V			220V	380V	l/min	0	10	20	30	40	50	
4SAm2/9S	-	0.37	0.5	3.3	-	H(m)	54	50	46	39	30	18	50~26
4SAm2/13S	-	0.55	0.75	4.6	-		78	72	66	56	44	26	72~38
4SAm2/18S	4SA2/18S	0.75	1	6.0	2.6		108	100	91	78	61	36	100~53
4SAm2/23S	4SA2/23S	1.1	1.5	8.4	3.4		138	127	117	99	78	46	127~68
4SAm2/28S	4SA2/28S	1.5	2	10.9	4.4		168	155	142	121	95	56	155~83
4SAm2/40S	4SA2/40S	2.2	3	15.8	6.2		240	222	203	172	135	80	222~117
-	4SA2/55S	3	4	-	8.3		330	305	279	237	186	110	305~163

Model		Power		Rate Current (A)		Flow									Head Range (m)
Single-Phase	Three-Phase	kW	HP	Single-Phase	Three-Phase	m ³ /h	0	0.6	1.2	1.8	2.4	3	3.6	4.2	
220V	380V			220V	380V	l/min	0	10	20	30	40	50	60	70	
4SAm3/6S	-	0.37	0.5	3.3	-	H(m)	37	35	33	31	29	26	21	13	34~17
4SAm3/9S	-	0.55	0.75	4.6	-		55	52	50	47	44	39	31	19	51~25
4SAm3/12S	4SA3/12S	0.75	1	6.0	2.6		73	70	67	63	58	51	41	25	68~33
4SAm3/18S	4SA3/18S	1.1	1.5	8.4	3.4		109	105	100	94	87	77	62	38	102~51
4SAm3/22S	4SA3/22S	1.5	2	10.9	4.4		134	128	122	115	107	94	76	47	125~62
4SAm3/32S	4SA3/32S	2.2	3	15.8	6.2		194	186	178	167	155	137	110	68	182~90
-	4SA3/40S	3	4	-	8.3		243	233	222	209	194	172	138	85	227~113
-	4SA3/52S	4	5.5	-	10.8		316	303	289	272	252	223	179	110	296~147

Model		Power		Rate Current (A)		Flow														Head Range (m)
Single-Phase	Three-Phase	kW	HP	Single-Phase	Three-Phase	m³/h	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4	6	6.6		
220V	380V			220V	380V	l/min	0	10	20	30	40	50	60	70	80	90	100	110		
4SAm5/4S	-	0.37	0.5	3.3	-	H(m)	25	24	23	22	21	20	19	18	17	15	12	9	23~9	
4SAm5/6S	-	0.55	0.75	4.6	-		37	36	35	33	32	31	29	28	25	22	18	13	34~13	
4SAm5/8S	4SA5/S8	0.75	1	6.0	2.6		50	48	46	44	43	41	39	37	34	29	23	17	45~17	
4SAm5/12S	4SA5/12S	1.1	1.5	8.4	3.4		75	72	69	67	64	62	59	55	50	44	35	26	68~26	
4SAm5/17S	4SA5/17S	1.5	2	10.9	4.4		106	102	98	94	91	87	83	78	71	62	50	36	96~36	
4SAm5/21S	4SA5/21S	2.2	3	15.8	6.2		131	126	121	116	112	108	103	96	88	76	61	44	119~44	
-	4SA5/32S	3	4	-	8.3		200	192	184	178	171	165	157	147	134	116	94	68	181~68	
-	4SA5/40S	4	5.5	-	10.8		249	240	230	221	213	205	196	183	167	145	117	86	226~86	
-	4SA5/52S	5.5	7.5	-	14.4		325	312	299	289	278	267	255	239	218	189	152	111	294~111	

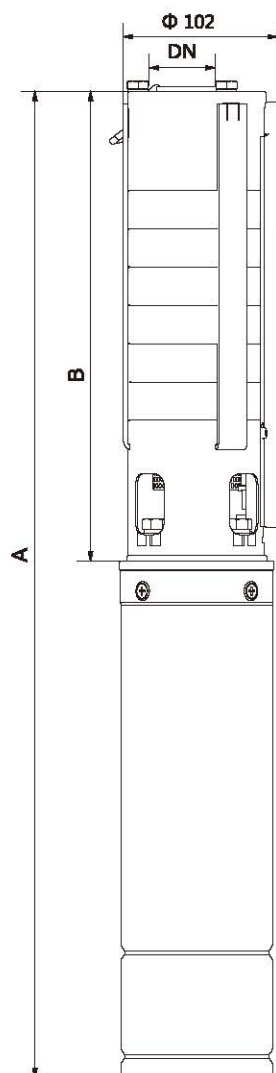
Model		Power		Rate Current (A)		Flow											Head Range (m)
Single-Phase	Three-Phase	kW	HP	Single-Phase	Three-Phase	m ³ /h	0	1.2	2.4	3.6	4.8	6	7.2	8.4	9.6	10.8	
220V	380V			220V	380V	l/min	0	20	40	60	80	100	120	140	160	180	
4SAm8/5S	4SA8/5S	0.75	1	6.0	2.6	H(m)	29	28	27	25	24	22	21	19	15	10	27~10
4SAm8/7S	4SA8/7S	1.1	1.5	8.4	3.4		41	39	37	35	33	31	29	26	21	15	37~15
4SAm8/10S	4SA8/10S	1.5	2	10.9	4.4		59	56	53	50	47	45	41	37	30	21	53~21
4SAm8/12S	4SA8/12S	2.2	3	15.8	6.2		70	67	64	60	57	54	50	44	36	25	64~25
-	4SA8/18S	3	4	-	8.3		105	101	96	91	85	80	75	67	55	38	96~38
-	4SA8/24S	4	5.5	-	10.8		140	134	128	121	113	108	100	89	73	50	128~50
-	4SA8/32S	5.5	7.5	-	14.4		187	179	170	161	157	143	133	118	97	67	170~67

Components & Materials



No.	Part name	No.	Part name
160-1	Bottom cover	554	Flat washer
160-2	Cover plate	560	Locating sleeve
271	Sand shaking sleeve	811	Casing
321-1	Deep groove ball bearing	814	Stator core with winding
321-2	Angular contact bearing	818	Rotor
412-1	O-ring	822-1	Lower bearing block
412-2	O-ring	822-2	Oil chamber
433	Mechanical seal	823	Pressure regulating film
440-1	Anti-sand pad	903	Vent cock
440-2	Anti-sand seat	914	Hexagon socket set screw
540-1	Upper spacer sleeve	932	Retaining ring
540-2	Lower spacer sleeve		
550	Adjusting washer		
552	Wave spring		

Dimensions & Weight



Model		Pipe Connedtion (DN)	Dim. (mm)			N.W.(kg)		
Single- phase	Three- phase		B	A Single-Phase	A Three-phase	Body(kg)	Motor(kg)	
							Single-phase	Three-phase
4SAm2/9S	-	G1¼	354	678	-	4.9	9.0	-
4SAm2/13S	-		438	782	-	5.7	9.8	-
4SAm2/18S	4SA2/18S		543	912	970	6.8	11.0	9.3
4SAm2/23S	4SA2/23S		648	1052	1115	7.8	13.0	11.4
4SAm2/28S	4SA2/28S		753	1202	1240	8.9	15.0	12.0
4SAm2/40S	4SA2/40S		1005	1544	1542	11.4	20.5	14.5
-	4SA2/55S		1320	-	1935	14.6	-	18.5

Model		Pipe Connedtion (DN)	Dim. (mm)			N.W.(kg)		
Single- phase	Three- phase		B	A Single-Phase	A Three-phase	Body(kg)	Motor(kg)	
							Single-phase	Three-phase
4SAm3/6S	-	G1¼	291	615	-	4.3	9.0	-
4SAm3/9S	-		354	698	-	4.9	9.8	-
4SAm3/12S	4SA3/12S		417	786	844	5.5	11.0	9.3
4SAm3/18S	4SA3/18S		543	947	1010	6.8	13.0	11.4
4SAm3/22S	4SA3/22S		627	1076	1114	7.6	15.0	12.0
4SAm3/32S	4SA3/32S		837	1376	1374	9.7	20.5	14.5
-	4SA3/40S		1005	-	1620	11.4	-	18.5
-	4SA3/52S		1257	-	1952	13.9	-	21.5

Model		Pipe Connedtion (DN)	Dim. (mm)			N.W.(kg)		
Single- phase	Three- phase		B	A Single-Phase	A Three-phase	Body(kg)	Motor(kg)	
							Single-phase	Three-phase
4SAm5/4S	-	G1½	261	585	-	3.5	9.0	-
4SAm5/6S	-		309	653	-	4.0	9.8	-
4SAm5/8S	4SA5/8S		357	726	784	4.5	11.0	9.3
4SAm5/12S	4SA5/12S		453	857	920	5.4	13.0	11.4
4SAm5/17S	4SA5/17S		573	1022	1060	6.6	15.0	12.0
4SAm5/21S	4SA5/21S		669	1208	1206	7.6	20.5	14.5
-	4SA5/32S		933	-	1548	10.2	-	18.5
-	4SA5/40S		1125	-	1820	12.2	-	21.5
-	4SA5/52S		1413	-	2173	15.0	-	25.5

Model		Pipe Connedtion (DN)	Dim. (mm)			N.W.(kg)		
Single- phase	Three- phase		B	A Single-Phase	A Three-phase	Body(kg)	Motor(kg)	
							Single-phase	Three-phase
4SAm8/5S	4SA8/5S	G2	426	795	853	6.2	11.0	9.3
4SAm8/7S	4SA8/7S		510	914	977	7.0	13.0	11.4
4SAm8/10S	4SA8/10S		636	1085	1123	8.3	15.0	12.0
4SAm8/12S	4SA8/12S		720	1259	1257	9.1	20.5	14.5
-	4SA8/18S		972	-	1587	11.7	-	18.5
-	4SA8/24S		1224	-	1919	14.2	-	21.5
-	4SA8/32S		1560	-	2320	17.5	-	25.5

Packing Size & Weight

Model		Dim. (mm)					G.W.(kg)		20"Loading Qty.(pcs)	
Single-phase	Three-phase	Motor(L×W×H)		Body (L×W×H)	Pump(L×W×H)		Single-phase	Three-phase	Single-phase	Three-phase
		Single-phase	Three-phase		Single-phase	Three-phase				
4SAm2/9S	-	-	-	-	980x110x185	-	15.4	-	1350	-
4SAm2/13S	-	-	-	-	1075x110x185	-	17.0	-	1230	-
4SAm2/18S	4SA2/18S	-	-	-	1220x110x185	1075x110x185	19.3	17.6	1080	1230
4SAm2/23S	4SA2/23S	-	-	-	1360x110x185	1220x110x185	22.3	20.7	960	1080
4SAm2/28S	4SA2/28S	770x125x225	645x125x125	850x125x125	-	-	M:17 B:10.4	M:14 B:10.4	750	1150
4SAm2/40S	4SA2/40S	870x125x225	690x125x125	1100x125x125	-	-	M:22.5 B:12.9	M:16.5 B:12.9	620	950
-	4SA2/55S	-	780x125x125	1415x125x125	-	-	-	M:20.5 B:16.1	-	770

Model		Dim. (mm)					G.W.(kg)		20"Loading Qty.(pcs)	
Single-phase	Three-phase	Motor(LxWxH)		Body (LxWxH)	Pump(LxWxH)		Single-phase	Three-phase	Single-phase	Three-phase
		Single-phase	Three-phase		Single-phase	Three-phase				
4SAm3/6S	-	-	-	-	890x110x185	-	14.8	-	1500	-
4SAm3/9S	-	-	-	-	1020x110x185	-	16.2	-	1300	-
4SAm3/12S	4SA3/12S	-	-	-	1075x110x185	935x110x185	18.0	16.3	1230	1420
4SAm3/18S	4SA3/18S	-	-	-	1220x110x185	1100x110x185	21.3	19.7	1080	1200
4SAm3/22S	4SA3/22S	770x125x225	645x125x125	730x125x125	-	-	M:17 B:9.1	M:14 B:9.1	800	1250
4SAm3/32S	4SA3/32S	870x125x225	690x125x125	935x125x125	-	-	M:22.5 B:11.2	M:16.5 B:11.2	670	1050
-	4SA3/40S	-	780x125x125	1100x125x125	-	-	-	M:20.5 B:12.9	-	900
-	4SA3/52S	-	825x125x125	1360x125x125	-	-	-	M:23.5 B:15.4	-	770

Model		Dim. (mm)					G.W.(kg)		20"Loading Qty.(pcs)	
Single-phase	Three-phase	Motor(LxWxH)		Body (LxWxH)	Pump(LxWxH)		Single-phase	Three-phase	Single-phase	Three-phase
		Single-phase	Three-phase		Single-phase	Three-phase				
4SAm5/4S	-	-	-	-	890x110x185	-	14.0	-	1500	-
4SAm5/6S	-	-	-	-	935x110x185	-	15.3	-	1420	-
4SAm5/8S	4SA5/8S	-	-	-	1020x110x185	890x110x185	17.0	15.3	1300	1500
4SAm5/12S	4SA5/12S	-	-	-	1180x110x185	1020x110x185	19.9	18.3	1120	1300
4SAm5/17S	4SA5/17S	770x125x225	645x125x125	675x125x125	-	-	M:17 B:8.1	M:14 B:8.1	820	1310
4SAm5/21S	4SA5/21S	870x125x225	690x125x125	770x125x125	-	-	M:22.5 B:9.1	M:16.5 B:9.1	720	1180
-	4SA5/32S	-	780x125x125	1020x125x125	-	-	-	M:20.5 B:11.7	-	950
-	4SA5/40S	-	825x125x125	1210x125x125	-	-	-	M:23.5 B:13.7	-	830
-	4SA5/52S	-	920x125x125	1500x125x125	-	-	-	M:27.5 B:16.5	-	690

Model		Dim. (mm)					G.W.(kg)		20"Loading Qty.(pcs)	
Single-phase	Three-phase	Motor(LxWxH)		Body (LxWxH)	Pump(LxWxH)		Single-phase	Three-phase	Single-phase	Three-phase
		Single-phase	Three-phase		Single-phase	Three-phase				
4SAm8/5S	4SA8/5S	-	-	-	1075x110x185	935x110x185	18.7	17.0	1230	1420
4SAm8/7S	4SA8/7S	-	-	-	1220x110x185	1075x110x185	21.5	19.9	1080	1230
4SAm8/10S	4SA8/10S	770x125x225	645x125x125	730x125x125	-	-	M:17 B:9.8	M:14 B:9.8	800	1250
4SAm8/12S	4SA8/12S	870x125x225	690x125x125	850x125x125	-	-	M:22.5 B:10.6	M:16.5 B:10.6	690	1110
-	4SA8/18S	-	780x125x125	1075x125x125	-	-	-	M:20.5 B:13.2	-	910
-	4SA8/24S	-	825x125x125	1360x125x125	-	-	-	M:23.5 B:15.7	-	770
-	4SA8/32S	-	920x125x125	1680x125x125	-	-	-	M:27.5 B:19.0	-	640
-	4SA5/40S	-	825x125x125	1210x125x125	-	-	-	M:23.5 B:13.7	-	830
-	4SA5/52S	-	920x125x125	1500x125x125	-	-	-	M:27.5 B:16.5	-	690

