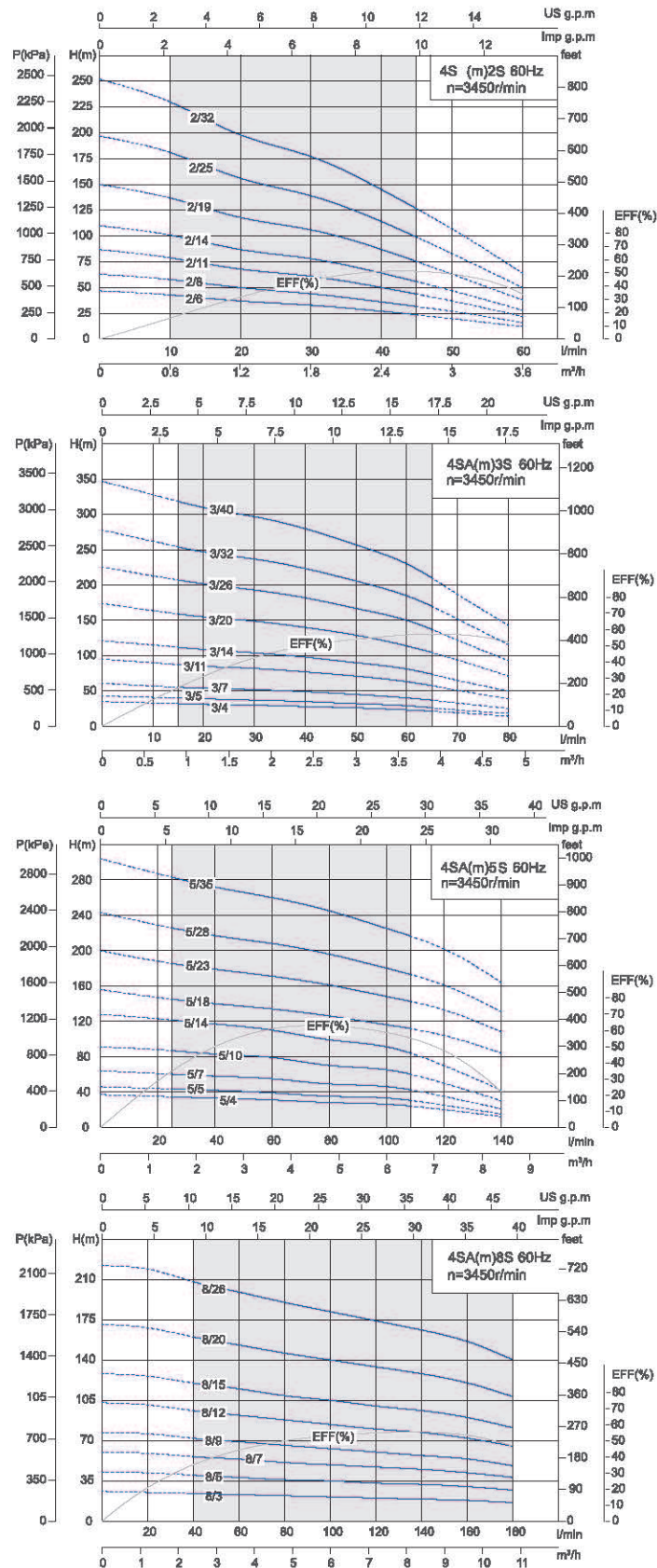


Performance Curve



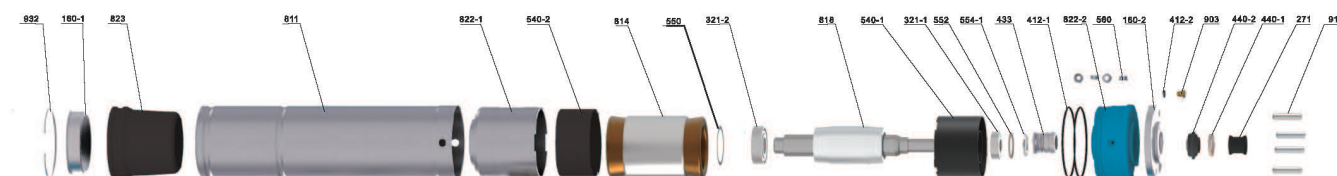
Model		Power		Rate Current (A)				Flow								Head Range (m)
Single-Phase	Three-Phase	kW	HP	Single-Phase		Three-Phase		m³/h l/min	0	0.6	1.2	1.8	2.4	3	3.6	
110V/220V	220V/380V			110V	220V	220V	380V		0	10	20	30	40	50	60	
4SAm2/6S	-	0.37	0.5	6.6	3.3	-	-	H(m)	47	43	37	33	27	20	12	43~24
4SAm2/8S	-	0.55	0.75	9.3	4.6	-	-		63	58	50	44	36	27	16	58~32
4SAm2/11S	4SA2/11S	0.75	1	12	6	4.4	2.6		87	79	68	61	50	37	22	79~43
4SAm2/14S	4SA2/14S	1.1	1.5	16.8	8.4	5.9	3.4		110	101	87	78	64	47	28	101~56
4SAm2/19S	4SA2/19S	1.5	2	-	10.9	7.6	4.4		150	137	118	106	87	63	38	137~75
4SAm2/25S	4SA2/25S	2.2	3	-	15.8	10.7	6.2		197	181	156	139	114	83	50	181~100
-	4SA2/32S	3	4	-	-	14.4	8.3		252	230	198	177	145	107	64	230~125

Model		Power		Rate Current (A)				Flow										Head Range (m)
Single-Phase	Three-Phase	kW	HP	Single-Phase		Three-Phase		m³/h l/min	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	
110V/220V	220V/380V			110V	220V	220V	380V		0	10	20	30	40	50	60	70	80	
4SAm3/4S	-	0.37	0.5	6.6	3.3	-	-	H(m)	35	33	31	30	28	26	23	19	14	32~21
4SAm3/5S	-	0.55	0.75	9.3	4.6	-	-		43	41	39	37	35	32	29	23	18	40~26
4SAm3/7S	4SA3/7S	0.75	1	12	6	4.4	2.6		61	57	54	52	49	45	40	33	25	55~37
4SAm3/11S	4SA3/11S	1.1	1.5	16.8	8.4	5.9	3.4		95	90	85	82	77	71	63	51	39	87~50
4SAm3/14S	4SA3/14S	1.5	2	-	10.9	7.6	4.4		121	115	109	104	98	90	81	65	50	112~73
4SAm3/20S	4SA3/20S	2.2	3	-	15.8	10.7	6.2		174	164	155	149	140	129	115	94	71	159~104
-	4SA3/26S	3	4	-	-	14.4	8.3		226	213	202	193	182	167	150	122	93	206~137
-	4SA3/32S	4	5.5	-	-	18.7	10.8		278	262	248	238	224	206	184	150	114	254~168
-	4SA3/40S	5.5	7.5	-	-	24.9	14.4		347	328	310	297	280	257	230	187	143	316~210

Model		Power		Rate Current (A)				Flow									Head Range (m)
Single-Phase	Three-Phase	kW	HP	Single-Phase		Three-Phase		m³/h	0	1.2	2.4	3.6	4.8	6	7.2	8.4	
110V/220V	220V/380V			110V	220V	220V	380V	l/min	0	20	40	60	80	100	120	140	
4SAm5/4S	-	0.55	0.75	9.3	4.6	-	-	H(m)	37	35	33	31	28	26	20	12	34~24
4SAm5/5S	4SA5/5S	0.75	1	12	6	4.4	2.6		46	44	42	39	35	33	25	15	43~30
4SAm5/7S	4SA5/7S	1.1	1.5	16.8	8.4	5.9	3.4		64	61	58	55	49	46	35	21	60~42
4SAm5/10S	4SA5/10S	1.5	2	-	10.9	7.6	4.4		91	88	83	79	70	65	50	30	86~60
4SAm5/14S	4SA5/14S	2.2	3	-	15.8	10.7	6.2		128	123	117	110	99	91	70	42	121~84
-	4SA5/18S	3	4	-	-	14.4	8.3		156	147	140	134	126	116	104	84	145~111
-	4SA5/23S	4	5.5	-	-	18.7	10.8		200	188	179	171	161	148	133	108	185~142
-	4SA5/28S	5.5	7.5	-	-	24.9	14.4		243	229	217	208	196	180	161	131	225~171
-	4SA5/35S	7.5	10	-	-	33.2	19.2	304	287	272	260	245	225	202	164	283~216	

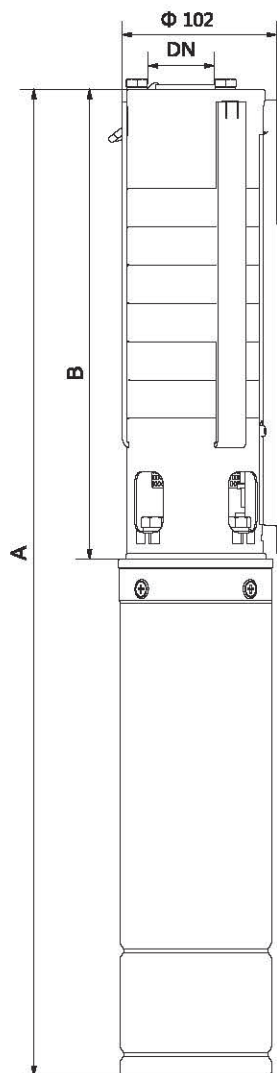
Model		Power		Rate Current (A)				Flow										Head Range (m)
Single-Phase	Three-Phase	kW	HP	Single-Phase		Three-Phase		m³/h l/min	0	1.2	2.4	3.6	4.8	6	7.2	8.4	9.6	
110V/220V	220V/380V			110V	220V	220V	380V		0	20	40	60	80	100	120	140	160	
4SAm8/3S	4SA8/3S	0.75	1	12	6	4.4	2.6	H(m)	26	25	24	23	22	21	20	19	18	34~24
4SAm8/5S	4SA8/5S	1.1	1.5	16.8	8.4	5.9	3.4		43	42	40	38	36	35	33	32	30	43~30
4SAm8/7S	4SA8/7S	1.5	2	-	10.9	7.6	4.4		60	59	56	54	51	49	47	45	42	60~42
4SAm8/9S	4SA8/9S	2.2	3	-	15.8	10.7	6.2		77	76	72	69	66	63	60	57	54	86~60
-	4SA8/12S	3	4	-	-	14.4	8.3		103	101	96	92	88	84	80	77	72	121~84
-	4SA8/15S	4	5.5	-	-	18.7	10.8		128	126	120	115	109	105	100	96	90	145~111
-	4SA8/20S	5.5	7.5	-	-	24.9	14.4		171	168	160	153	146	140	135	128	120	185~142
-	4SA8/26S	7.5	10	-	-	33.2	19.2		222	219	208	199	190	182	174	166	156	225~171

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 Connection (DN)	Dim. (mm)			N.W. (kg)		
Single-phase	Three-phase		B	A Single-Phase	Three-phase	Body (kg)	Motor (kg)	
4SAm2/6S	-	G1¼ NPT1¼	291	610	-	2.8	7.7	-
4SAm2/8S	-		333	672	-	3.2	8.7	-
4SAm2/11S	4SA2/11S		396	760	760	3.8	9.8	9.7
4SAm2/14S	4SA2/14S		459	858	863	4.4	11.5	10.8
4SAm2/19S	4SA2/19S		564	1008	988	5.5	13.6	11.4
4SAm2/25S	4SA2/25S		690	1224	1164	6.8	16.4	13.8
-	4SA2/32S		837	-	1378	8.2	-	13.8

Model		Pipe Connection (DN)	Dim. (mm)			N.W. (kg)		
Single-phase	Three-phase		B	A Single-Phase	Three-phase	Body (kg)	Motor (kg)	
4SAm3/4S	-	G1¼ NPT1¼	249	568	-	2.3	7.7	-
4SAm3/5S	-		270	609	-	2.6	8.7	-
4SAm3/7S	4SA3/7S		312	676	676	3.0	9.8	9.7
4SAm3/11S	4SA3/11S		396	795	800	3.8	11.5	10.8
4SAm3/14S	4SA3/14S		459	903	883	4.4	13.6	11.4
4SAm3/20S	4SA3/20S		585	1119	1059	5.7	16.4	13.8
-	4SA3/26S		711	-	1252	7.0	-	17.2
-	4SA3/32S		837	-	1458	8.2	-	19.8
-	4SA3/40S		1005	-	1691	9.9	-	23

Model		Pipe Connection (DN)	Dim. (mm)			N.W. (kg)		
Single-phase	Three-phase		B	A Single-Phase	A Three-phase	Body (kg)	Motor (kg)	
4SAm5/4S	-	G1½ NPT1½	261	600	-	2.2	8.7	-
4SAm5/5S	4SA5/5S		285	649	649	2.5	9.8	9.7
4SAm5/7S	4SA5/7S		333	732	737	3.0	11.5	10.8
4SAm5/10S	4SA5/10S		405	849	829	3.7	13.6	11.4
4SAm5/14S	4SA5/14S		501	1035	975	4.6	16.4	13.8
-	4SA5/18S		597	-	1138	5.6	-	17.2
-	4SA5/23S		717	-	1338	6.8	-	19.8
-	4SA5/28S		837	-	1523	8.0	-	23
-	4SA5/35S		1005	-	1806	9.7	-	29.3

Model		Pipe Connection (DN)	Dim. (mm)			N.W. (kg)		
Single-phase	Three-phase		B	A Single-Phase	A Three-phase	Body (kg)	Motor (kg)	
4SAm8/3S	4SA8/3S	G2 NPT2	291	706	706	3.3	9.8	9.7
4SAm8/5S	4SA8/5S		375	825	830	4.2	11.5	10.8
4SAm8/7S	4SA8/7S		459	954	934	5	13.6	11.4
4SAm8/9S	4SA8/9S		543	1128	1068	5.8	16.4	13.8
-	4SA8/12S		669	-	1261	7.1	-	17.2
-	4SA8/15S		795	-	1467	8.4	-	19.8
-	4SA8/20S		1005	-	1742	10.5	-	23
-	4SA8/26S		1257	-	2109	13	-	29.3

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				
4SAm2/6S	-	-	-	-	890×110×185	-	11.5	-	1490	-
4SAm2/8S	-	-	-	-	955×110×185	-	13	-	1380	-
4SAm2/11S	4SA2/11S	-	-	-	1020×110×185	810×110×185	15	15	1290	1640
4SAm2/14S	4SA2/14S	-	-	-	1130×110×185	890×110×185	17.5	17	1160	1490
4SAm2/19S	4SA2/19S	-	-	-	1310×110×185	1020×110×185	20.5	18.5	990	1290
4SAm2/25S	4SA2/25S	-	-	-	1500×110×185	1220×110×185	24.5	22	860	1070
-	4SA2/32S	-	690×125×125	890×125×125	-	-	-	M:18 B:9	-	1080

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				
4SAm3/4S	-	-	-	-	890×110×185	-	11	-	1490	-
4SAm3/5S	-	-	-	-	890×110×185	-	12.5	-	1490	-
4SAm3/7S	4SA3/7S	-	-	-	955×110×185	730×110×185	14	14	1390	1830
4SAm3/11S	4SA3/11S	-	-	-	1075×110×185	890×110×185	17	16.5	1220	1490
4SAm3/14S	4SA3/14S	-	-	-	1180×110×185	935×110×185	19.5	17.5	1110	1410
4SAm3/20S	4SA3/20S	-	-	-	1415×110×185	1100×110×185	23.5	21	920	1190
-	4SA3/26S	-	690×125×125	730×125×125	-	-	-	M:18 B:8	-	1200
-	4SA3/32S	-	730×125×125	890×125×125	-	-	-	M:20.5 B:9	-	1050
-	4SA3/40S	-	810×125×125	1075×125×125	-	-	-	M:24 B:11	-	980

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	-	12	-	1490	-
4SAm5/5S	4SA5/5S	-	-	-	935x110x185	730x110x185	13.5	13.5	1410	1830
4SAm5/7S	4SA5/7S	-	-	-	1020x110x185	810x110x185	15.5	15	1290	1640
4SAm5/10S	4SA5/10S	-	-	-	1130x110x185	890x110x185	18.5	16.5	1160	1490
4SAm5/14S	4SA5/14S	-	-	-	1310x110x185	1020x110x185	22.5	20	990	1290
-	4SA5/18S	-	690x125x125	730x125x125	-	-	-	M:18 B:6	-	1200
-	4SA5/23S	-	730x125x125	730x125x125	-	-	-	M:20.5 B:7.5	-	1170
-	4SA5/28S	-	810x125x125	890x125x125	-	-	-	M:24 B:8.5	-	990
-	4SA5/35S	-	935x125x125	1020x125x125	-	-	-	M:30.5 B:10.5	-	860

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				
4SAm8/3S	4SA8/3S	-	-	-	1020x110x185	810x110x185	14	14	1490	1490
4SAm8/5S	4SA8/5S	-	-	-	1130x110x185	935x110x185	17	16.5	1350	1350
4SAm8/7S	4SA8/7S	-	-	-	1255x110x185	1020x110x185	20	18	1160	1160
4SAm8/9S	4SA8/9S	-	-	-	1415x110x185	1180x110x185	23.5	21	1040	1040
-	4SA8/12S	-	690x125x125	810x125x125	-	-	-	M:18 B:8	-	-
-	4SA8/15S	-	730x125x125	890x125x125	-	-	-	M:20.5 B:9.5	-	-
-	4SA8/20S	-	810x125x125	1100x125x125	-	-	-	M:24 B:11	-	-
-	4SA8/26S	-	935x125x125	1360x125x125	-	-	-	M:30.5 B: 14	-	-

