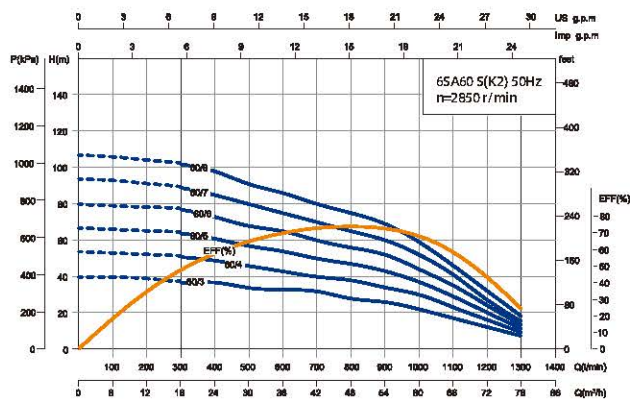
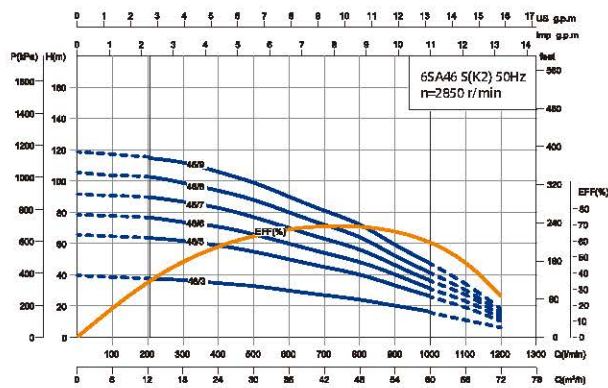
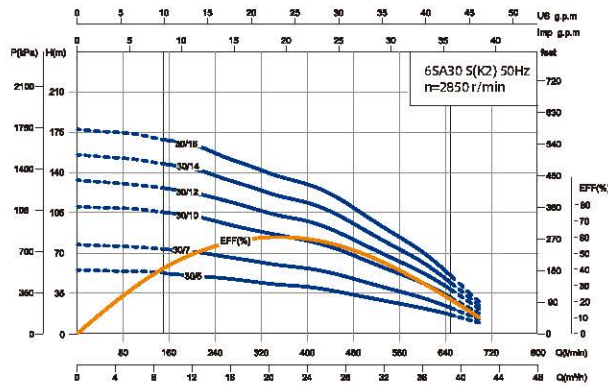
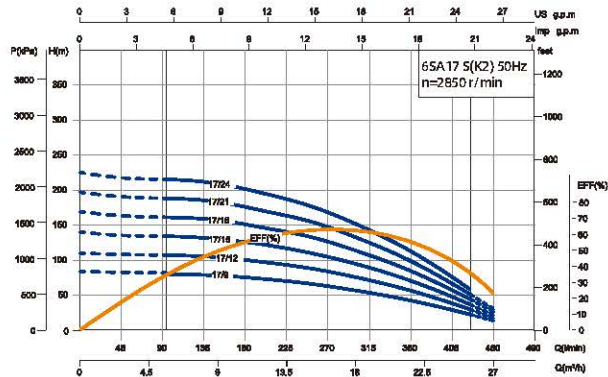


Performance Curve



Model	Power		Current (A)	Flow											Head Range (m)	
	Three-Phase	kW		HP	Three-Phase	m ³ /h	0	3	6	9	12	15	18	21		24
			380V		l/min	0	50	100	150	200	250	300	350	400		450
6SA17/9S	5.5	7.5	13	H(m)		85	82	81	79	74	67	57	45	30	13	81~38
6SA17/12S	7.5	10	18		111	109	108	105	98	89	76	60	40	17	108~50	
6SA17/15S	9.2	12.5	23		141	136	135	131	123	111	95	75	50	21	135~63	
6SA17/18S	11	15	26		170	164	162	158	147	134	114	90	60	26	162~76	
6SA17/21S	13	17.5	33		198	191	189	184	171	156	133	105	70	30	189~88	
6SA17/24S	15	20	35		226	218	216	210	196	178	152	120	80	34	216~101	

Model	Power		Current (A)	Flow														Head Range (m)			
	Three-Phase	kW		HP	Three-Phase	m ³ /h	0	3	6	9	12	15	18	21	24	27	30		33	36	39
			380V		l/min	0	50	100	150	200	250	300	350	400	450	500	550		600	650	700
6SA30/5S	5.5	7.5	13	H(m)		56	55	54	53	51	49	46	43	41	37	32	27	22	16	9	53~16
6SA30/7S	7.5	10	18		78	77	76	74	72	68	64	60	57	45	38	38	31	22	12	74~22	
6SA30/10S	9.2	12.5	23		111	110	109	106	103	97	91	86	81	64	54	54	44	31	17	106~31	
6SA30/12S	11	15	26		134	132	130	127	123	117	110	103	98	77	65	65	53	38	21	127~38	
6SA30/14S	13	17.5	33		156	154	152	148	144	136	128	120	114	90	76	76	62	44	24	148~44	
6SA30/16S	15	20	35		178	176	174	169	165	155	146	137	130	103	87	87	71	50	27	169~50	

Model	Power		Current (A)	Flow													Head Range (m)		
	Three-Phase	kW		HP	Three-Phase	m ³ /h	0	6	12	18	24	30	36	42	48	54		60	66
			380V		l/min	0	100	200	300	400	500	600	700	800	900	1000		1100	1200
6SA46/3S	5.5	7.5	13	H(m)		40	39	38	37	35	33	30	27	24	20	16	11	6	38~16
6SA46/5S	7.5	10	18		66	65	64	62	59	55	50	45	40	33	26	19	10	63~26	
6SA46/6S	9.2	12.5	23		79	78	77	74	71	66	60	54	48	40	31	23	12	76~31	
6SA46/7S	11	15	26		92	91	90	87	83	77	70	63	56	46	36	27	14	89~36	
6SA46/8S	13	17.5	33		106	104	103	99	94	88	80	72	64	52	41	30	16	101~41	
6SA46/9S	15	20	35		119	117	115	112	106	99	90	81	72	59	47	34	18	114~47	

Model	Power		Current (A)	Flow													Head Range (m)		
	Three-Phase	kW		HP	Three-Phase	m ³ /h	0	6	12	18	24	30	42	48	54	60		66	72
			380V		l/min	0	100	200	300	400	500	700	800	900	1000	1100		1200	1300
6SA60/3S	5.5	7.5	13	H(m)		40	40	39	37	37	34	32	28	26	22	17	12	7	37~7
6SA60/4S	7.5	10	18		66	54	52	62	49	46	40	38	34	30	23	16	9	51~9	
6SA60/5S	9.2	12.5	23		79	67	65	74	61	57	50	47	43	37	29	20	11	64~11	
6SA60/6S	11	15	26		92	80	78	87	73	68	60	56	52	44	35	24	13	77~13	
6SA60/7S	13	17.5	33		106	94	91	99	85	80	70	65	60	52	41	27	15	89~15	
6SA60/8S	15	20	35		119	107	104	112	98	91	80	75	69	59	46	32	18	102~18	

Model	Power		Flow											Head Range (m)	
	Three-Phase	kW	HP	m ³ /h	0	3	6	9	12	15	18	21	24		27
				380V	l/min	0	50	100	150	200	250	300	350		400
6SA17/9-5.5SK2	5.5	7.5	H(m)	85	82	81	79	74	67	57	45	30	13	81~38	
6SA17/12-7.5SK2	7.5	10		111	109	108	105	98	89	76	60	40	17	108~50	
6SA17/15-9.2SK2	9.2	12.5		141	136	135	131	123	111	95	75	50	21	135~63	
6SA17/18-11SK2	11	15		170	164	162	158	147	134	114	90	60	26	162~76	
6SA17/21-13SK2	13	17.5		198	191	189	184	171	156	133	105	70	30	189~88	
6SA17/24-15SK2	15	20		226	218	216	210	196	178	152	120	80	34	216~101	

Model	Power		Flow															Head Range (m)		
	Three-Phase	kW	HP	m ³ /h	0	3	6	9	12	15	18	21	24	27	30	33	36		39	42
				380V	l/min	0	50	100	150	200	250	300	350	400	450	500	550		600	650
6SA30/5-5.5SK2	5.5	7.5	H(m)	56	55	54	53	51	49	46	43	41	37	32	27	22	16	9	53~16	
6SA30/7-7.5SK2	7.5	10		78	77	76	74	72	68	64	60	57	45	38	38	31	22	12	74~22	
6SA30/10-9.2SK2	9.2	12.5		111	110	109	106	103	97	91	86	81	64	54	54	44	31	17	106~31	
6SA30/12-11SK2	11	15		134	132	130	127	123	117	110	103	98	77	65	65	53	38	21	127~38	
6SA30/14-13SK2	13	17.5		156	154	152	148	144	136	128	120	114	90	76	76	62	44	24	148~44	
6SA30/16-15SK2	15	20		178	176	174	169	165	155	146	137	130	103	87	87	71	50	27	169~50	

Model	Power		Flow													Head Range (m)		
	Three-Phase	kW	HP	m ³ /h	0	6	12	18	24	30	36	42	48	54	60		66	72
				380V	l/min	0	100	200	300	400	500	600	700	800	900		1000	1100
6SA46/3-5.5SK2	5.5	7.5	H(m)	40	39	38	37	35	33	30	27	24	20	16	11	6	38~16	
6SA46/5-7.5SK2	7.5	10		66	65	64	62	59	55	50	45	40	33	26	19	10	63~26	
6SA46/6-9.2SK2	9.2	12.5		79	78	77	74	71	66	60	54	48	40	31	23	12	76~31	
6SA46/7-11SK2	11	15		92	91	90	87	83	77	70	63	56	46	36	27	14	89~36	
6SA46/8-13SK2	13	17.5		106	104	103	99	94	88	80	72	64	52	41	30	16	101~41	
6SA46/9-15SK2	15	20		119	117	115	112	106	99	90	81	72	59	47	34	18	114~47	

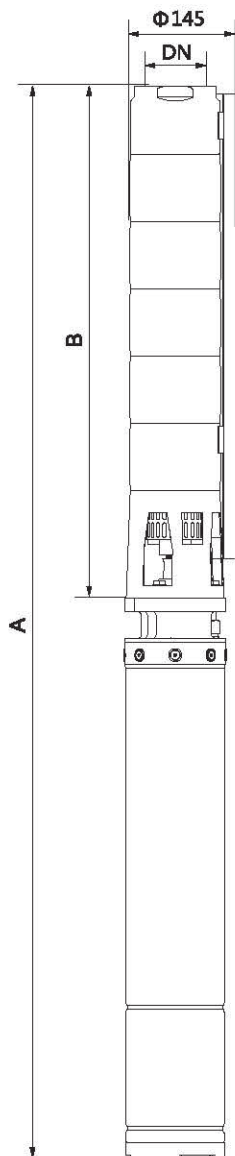
Model	Power		Current (A)	Flow													Head Range (m)		
	Three-Phase	kW		HP	Three-Phase	m ³ /h	0	6	12	18	24	30	42	48	54	60		66	72
			380V		380V	l/min	0	100	200	300	400	500	700	800	900	1000		1100	1200
6SA60/3-5.5SK2	5.5	7.5	13	H(m)	40	39	37	37	34	33	32	28	26	22	17	12	7	37-7	
6SA60/4-7.5SK2	7.5	10	18		53	52	51	49	46	43	40	38	34	30	23	16	9	51-9	
6SA60/5-9.2SK2	9.2	12.5	23		66	65	64	61	57	53	50	47	43	37	29	20	11	64-11	
6SA60/6-11SK2	11	15	26		79	78	77	73	68	63	60	56	52	44	35	24	13	77-13	
6SA60/7-13SK2	13	17.5	33		93	91	89	85	80	75	70	65	60	52	41	27	15	89-15	
6SA60/8-15SK2	15	20	35		106	104	102	98	91	85	80	75	69	59	46	32	18	102-18	

Components & Materials



No.	Part name	No.	Part name
160	Inlet joint	560	Locating sleeve
271	Sand shaking sleeve	592	Base
321-1	Deep groove ball bearing	811	Casing
321-2	Angular contact ball bearing	814	Stator core with winding
412-1	O-ring	818	Rotor
412-2	O-ring	822-1	Lower bearing block
433-1	Mechanical seal	822-2	Oil chamber
433-2	Mechanical seal	823	Pressure regulating film
441	Stainless steel sleeve	901	Outer hexagon flat screw
540-1	Upper spacer sleeve	903	Vent cock
540-2	Lower spacer sleeve	932-1	Retaining ring
550	Pump shaft gasket	932-2	Circlip for shaft
552	Wave spring		
554	Flat washer		

Dimensions & Weight



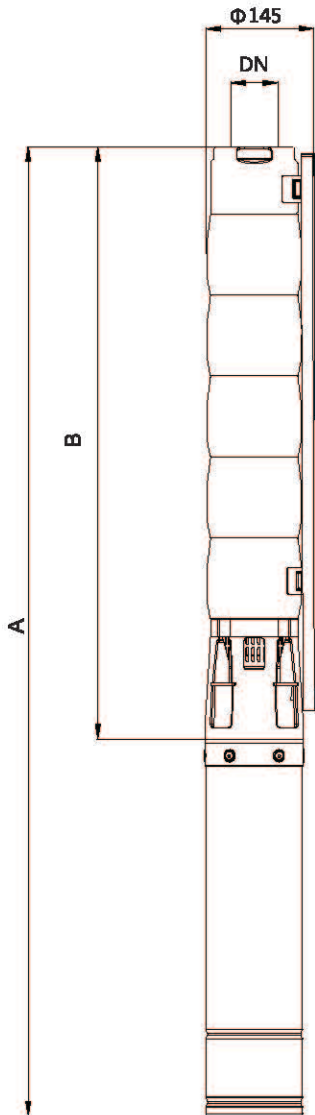
Model	Pipe Connection (DN)	Dim. (mm)		N.W.(kg)	
		B	A Three-phase	Body(kg)	Motor(kg) M(Single-phase)
6SA17/9S	G3	817	1618	15.2	40
6SA17/12S		998	1864	19.1	45
6SA17/15S		1180	2106	23	50
6SA17/18S		1361	2357	26.9	58
6SA17/21S		1543	2597	30.8	64
6SA17/24S		1724	2817	34.7	67

Model	Pipe Connection (DN)	Dim. (mm)		N.W.(kg)	
		B	A Three-phase	Body(kg)	Motor(kg) M(Single-phase)
6SA30/5S	G3	752	1553	12.5	40
6SA30/7S		944	1810	16.1	45
6SA30/10S		1232	2158	21.5	50
6SA30/12S		1424	2420	25.1	58
6SA30/14S		1616	2670	28.7	64
6SA30/16S		1808	2901	32.3	67

Model	Pipe Connection (DN)	Dim. (mm)		N.W.(kg)	
		B	A Three-phase	Body(kg)	Motor(kg) M(Single-phase)
6SA46/3S	G3	611	1412	11	40
6SA46/5S		837	1703	16	45
6SA46/6S		950	1876	18.5	50
6SA46/7S		1063	2059	21	58
6SA46/8S		1176	2230	23.5	64
6SA46/9S		1289	2382	26	67

Model	Pipe Connection (DN)	Dim. (mm)		N.W.(kg)	
		B	A Three-phase	Body(kg)	Motor(kg) M(Single-phase)
6SA60/3S	G3	611	1412	14	40
6SA60/4S		724	1590	17.5	45
6SA60/5S		837	1763	21	50
6SA60/6S		950	1946	24.5	58
6SA60/7S		1063	2117	28	64
6SA60/8S		1176	2269	31.5	67

Dimensions & Weight



Model	Pipe Connection (DN)	Dim. (mm)		N.W.(kg)	
		B	A Three-phase	Body(kg)	Motor(kg) M(Single-phase)
6SA17/9-5.5SK2	G3/NPT3	676	1197	12.5	31.3
6SA17/12-7.5SK2		814	1395	15.5	36.8
6SA17/15-9.2SK2		952	1593	18.5	42
6SA17/18-11SK2		1090	1801	21	50
6SA17/21-13SK2		1228	1999	30.8	56
6SA17/24-15SK2		1366	2177	27	60
6SA30/5-5.5SK2		712	1233	12	31.3
6SA30/7-7.5SK2		892	1473	15.5	36.8
6SA30/10-9.2SK2		1162	1803	20	42
6SA30/12-11SK2		1342	2053	24	50
6SA30/14-13SK2		1522	2401	27	56
6SA30/16-15SK2		1702	2513	30	60
6SA46/3-5.5SK2		598	1119	9.5	31.3
6SA46/5-7.5SK2		822	1403	14	36.8
6SA46/6-9.2SK2		934	1575	16	42
6SA46/7-11SK2		1046	1757	18.5	50
6SA46/8-13SK2		1158	1929	20	56
6SA46/9-15SK2		1270	2081	22	60
6SA60/3-5.5SK2		598	1119	10	31.3
6SA60/4-7.5SK2		710	1291	12	36.8
6SA60/5-9.2SK2	822	1571	14	42	
6SA60/6-11SK2	934	1645	16.5	50	
6SA60/7-13SK2	1046	1817	18.5	56	
6SA60/8-15SK2	1158	1969	21	60	

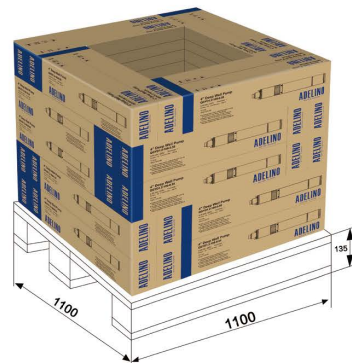
Packing Size & Weight

Model	Dim. (mm)		G.W.(kg)	20"LoadInE Qty.(pcs)
	Motor(LxWxH)	Body(LxWxH)		
6SA17/9S	940x150x150	B:950x150x150	M:42.7 B:17.2	470
6SA17/12S	1000x150x150	B:1130x150x150	M:47.8 B:21.4	430
6SA17/15S	1060x150x150	B:1310x150x150	M:53 B:25.6	370
6SA17/18S	1130x150x150	B:1490x150x150	M:61.2 B:29.9	340
6SA17/21S	1190x150x150	B:1670x150x150	M:67.3 B:34.1	310
6SA17/24S	1230x150x150	B:1850x150x150	M:70.4 B:38.3	280

Model	Dim. (mm)		G.W.(kg)	20"LoadInE Qty.(pcs)
	Motor(LxWxH)	Body(LxWxH)		
6SA30/5S	940x150x150	840x150x150	M:42.7 B:14.3	470
6SA30/7S	1000x150x150	1070x150x150	M:47.8 B:18.3	430
6SA30/10S	1060x150x150	1370x150x150	M:53 B:24.3	380
6SA30/12S	1130x150x150	1550x150x150	M:61.2 B:28.2	350
6SA30/14S	1190x150x150	1750x150x150	M:67.3 B:32.2	320
6SA30/16S	1230x150x150	1940x150x150	M:70.4 B:36.1	280

Model	Dim. (mm)		G.W.(kg)	20"LoadInE Qty.(pcs)
	Motor(LxWxH)	Body(LxWxH)		
6SA46/3S	940x150x150	740x150x150	M:42.7 B:12.6	480
6SA46/5S	1000x150x150	950x150x150	M:47.8 B:18.0	400
6SA46/6S	1060x150x150	1070x150x150	M:53 B:20.7	350
6SA46/7S	1130x150x150	1190x150x150	M:61.2 B:23.4	330
6SA46/8S	1190x150x150	1310x150x150	M:67.3 B:26.1	300
6SA46/9S	1230x150x150	1420x150x150	M:70.4 B:28.8	280

Model	Dim. (mm)		G.W.(kg)	20"LoadInE Qty.(pcs)
	Motor(LxWxH)	Body(LxWxH)		
6SA60/3S	940x150x150	740x150x150	M:42.7 B:15.6	480
6SA60/4S	1000x150x150	840x150x150	M:47.8 B:19.3	430
6SA60/5S	1060x150x150	970x150x150	M:53 B:23.0	380
6SA60/6S	1130x150x150	1090x150x150	M:61.2 B:26.7	340
6SA60/7S	1190x150x150	1190x150x150	M:67.3 B:30.4	310
6SA60/8S	1230x150x150	1310x150x150	M:70.4 B:34.1	300



Packing Size & Weight

Model	Dim. (mm)		G.W.(kg)	20"LoadinE Qty.(pcs)
	Motor(LxWxH)	Body(LxWxH)		
6SA17/9-5.5SK2	760x150x150	800x150x150	M:33.4/B:14	470
6SA17/12-7.5SK2	820x150x150	910x150x150	M:39.1/B:17.5	430
6SA17/15-9.2SK2	880x150x150	1070x150x150	M:44.4/B:20	370
6SA17/18-11SK2	940x150x150	1190x150x150	M:52.6/B:24	330
6SA17/21-13SK2	1000x150x150	1290x150x150	M:59/B:27	310
6SA17/24-15SK2	1050x150x150	1470x150x150	M:63/B:30	280

Model	Dim. (mm)		G.W.(kg)	20"LoadinE Qty.(pcs)
	Motor(LxWxH)	Body(LxWxH)		
6SA30/5-5.5SK2	760x150x150	820x150x150	M:33.4/B:16	470
6SA30/7-7.5SK2	820x150x150	1000x150x150	M:39.1/B:17.5	410
6SA30/10-9.2SK2	880x150x150	1370x150x150	M:44.4/B:25	310
6SA30/12-11SK2	940x150x150	1450x150x150	M:52.6/B:27	290
6SA30/14-13SK2	1000x150x150	1630x150x150	M:59/B:30	260
6SA30/16-15SK2	1050x150x150	1800x150x150	M:63/B:34	240

Model	Dim. (mm)		G.W.(kg)	20"LoadinE Qty.(pcs)
	Motor(LxWxH)	Body(LxWxH)		
6SA46/3-5.5SK2	760x150x150	740x150x150	M:33.4/B:11	480
6SA46/5-7.5SK2	820x150x150	930x150x150	M:39.1/B:19	400
6SA46/6-9.2SK2	880x150x150	1040x150x150	M:44.4/B:20.7	350
6SA46/7-11SK2	940x150x150	1110x150x150	M:52.6/B:23.4	330
6SA46/8-13SK2	1000x150x150	1230x150x150	M:59/B:25.4	300
6SA46/9-15SK2	1050x150x150	1370x150x150	M:63/B:27	280

Model	Dim. (mm)		G.W.(kg)	20"LoadinE Qty.(pcs)
	Motor(LxWxH)	Body(LxWxH)		
6SA60/3-5.5SK2	760x150x150	700x150x150	M:33.4/B:11.5	470
6SA60/4-7.5SK2	820x150x150	820x150x150	M:39.1/B:13.5	420
6SA60/5-9.2SK2	880x150x150	930x150x150	M:44.4/B:15.5	430
6SA60/6-11SK2	940x150x150	1040x150x150	M:52.6/B:17.5	370
6SA60/7-13SK2	1000x150x150	1150x150x150	M:59/B:21	340
6SA60/8-15SK2	1050x150x150	1270x150x150	M:63/B:23	290

