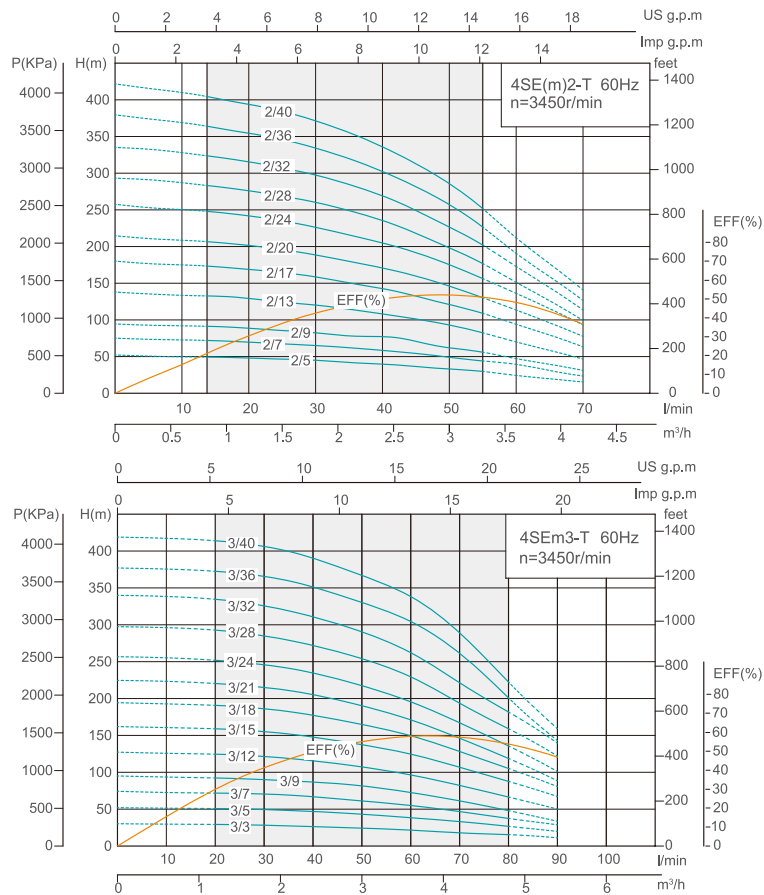
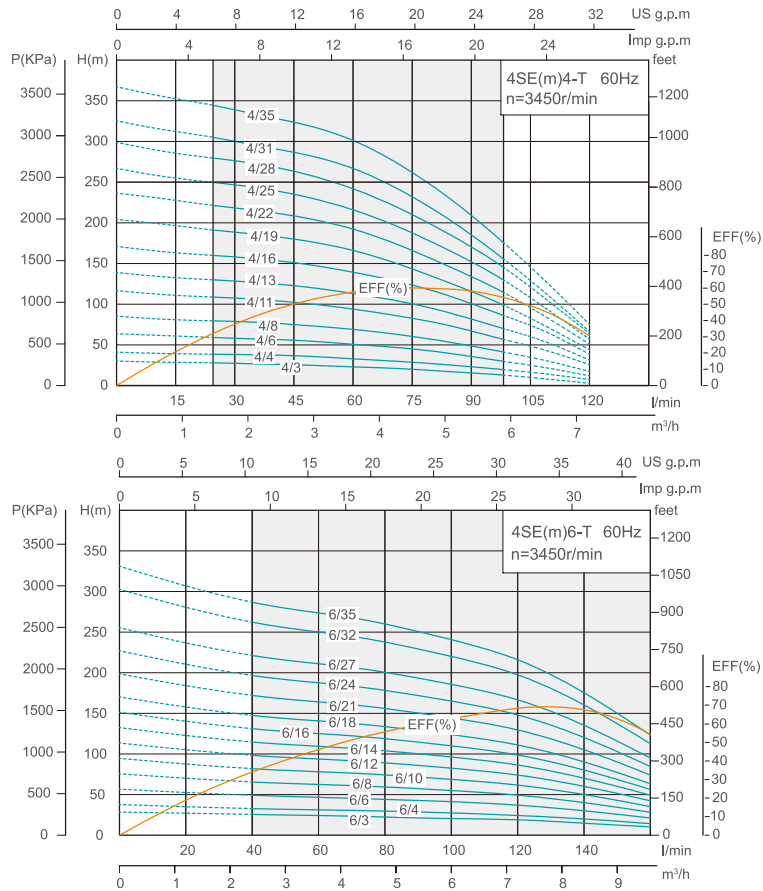


Performance Curve



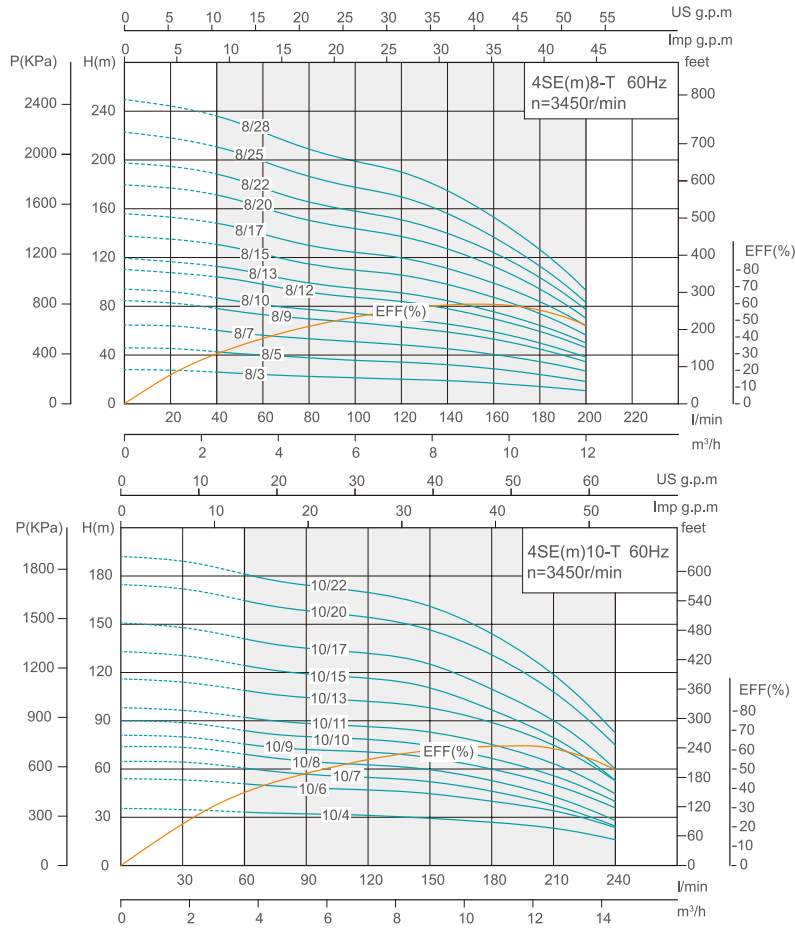
Model		Power		Rate Current (A)				Flow								Head	
Single-Phase	Three-Phase	kW	HP	Single		Three		m³/h	0	0.6	1.2	1.8	2.4	3	3.6	4.2	Range
110V/220V	220V/380V			110V	220V	220V	380V		0	10	20	30	40	50	60	70	
4SEm2/5T	-	0.37	0.5	8.4	4.2			H(m)	52	50	48	45	40	33	24	15	49~20
4SEm2/7T	-	0.55	0.75	11	5.5			75	73	70	65	58	50	39	23	72~31	
4SEm2/9T	4SE2/9T	0.75	1	14.6	7.3	4.2	2.4	94	92	89	82	77	62	47	31	91~40	
4SEm2/13T	4SE2/13T	1.1	1.5	18	9	5.4	3.1	138	134	129	120	108	93	70	47	132~58	
4SEm2/17T	4SE2/17T	1.5	2	-	11.9	8.7	5	180	175	169	159	143	121	94	63	173~79	
4SEm2/20T	4SE2/20T	2.2	3	-	15.6	12.8	7.4	215	209	202	189	171	146	113	78	206~96	
4SEm2/24T	4SE2/24T	2.2	3	-	20.7	14.5	8.3	258	250	242	226	205	175	136	93	247~115	
-	4SE2/28T	3	4			15.9	9.2	293	287	276	260	236	198	150	99	282~126	
-	4SE2/32T	3	4			17.6	10.1	335	328	316	297	269	225	173	114	322~144	
-	4SE2/36T	4	5.5			19.9	11.5	380	369	354	334	300	257	191	127	362~159	
-	4SE2/40T	4	5.5			23.5	13.2	422	410	394	371	336	286	212	141	402~177	

Model		Power		Rate Current (A)				Flow										Head	
Single-Phase	Three-Phase	kW	HP	Single		Three		m³/h	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4	Range
110V/220V	220V/380V			110V	220V	220V	380V		0	10	20	30	40	50	60	70	80	90	
4SEm3/3T	-	0.37	0.5	8.4	4.2			H(m)	31	30	30	28	27	24	22	18	15	12	30~15
4SEm3/5T	-	0.55	0.75	11	5.5			51	51	50	49	46	44	39	33	27	19	50~27	
4SEm3/7T	4SE3/7T	0.75	1	14.6	7.3	4.2	2.4	75	72	72	70	67	62	55	46	37	28	72~37	
4SEm3/9T	4SE3/9T	1.1	1.5	18	9	5.4	3.1	95	94	93	90	86	81	72	62	48	33	93~48	
4SEm3/12T	4SE3/12T	1.5	2	-	11.9	8.7	5	127	126	125	121	116	107	96	82	67	50	125~67	
4SEm3/15T	4SE3/15T	2.2	3	-	15.6	12.8	7.4	162	161	159	156	148	138	125	107	87	67	159~87	
4SEm3/18T	4SE3/18T	2.2	3	-	20.7	14.5	8.3	194	193	191	186	177	165	149	128	105	81	191~105	
-	4SE3/21T	3	4			15.9	9.2	225	223	220	215	205	190	171	146	119	88	220~119	
-	4SE3/24T	3	4			17.6	10.1	257	255	252	246	235	217	196	167	136	101	252~136	
-	4SE3/28T	4	5.5			19.9	11.5	298	296	293	285	272	254	229	194	159	122	293~159	
-	4SE3/32T	4	5.5			23.5	13.2	340	339	335	326	311	290	262	221	182	140	335~182	
-	4SE3/36T	5.5	7.5			27.7	16	377	376	373	366	351	330	305	261	200	143	373~200	
-	4SE3/40T	5.5	7.5			28.9	17.2	419	417	414	406	390	367	338	289	222	159	414~222	



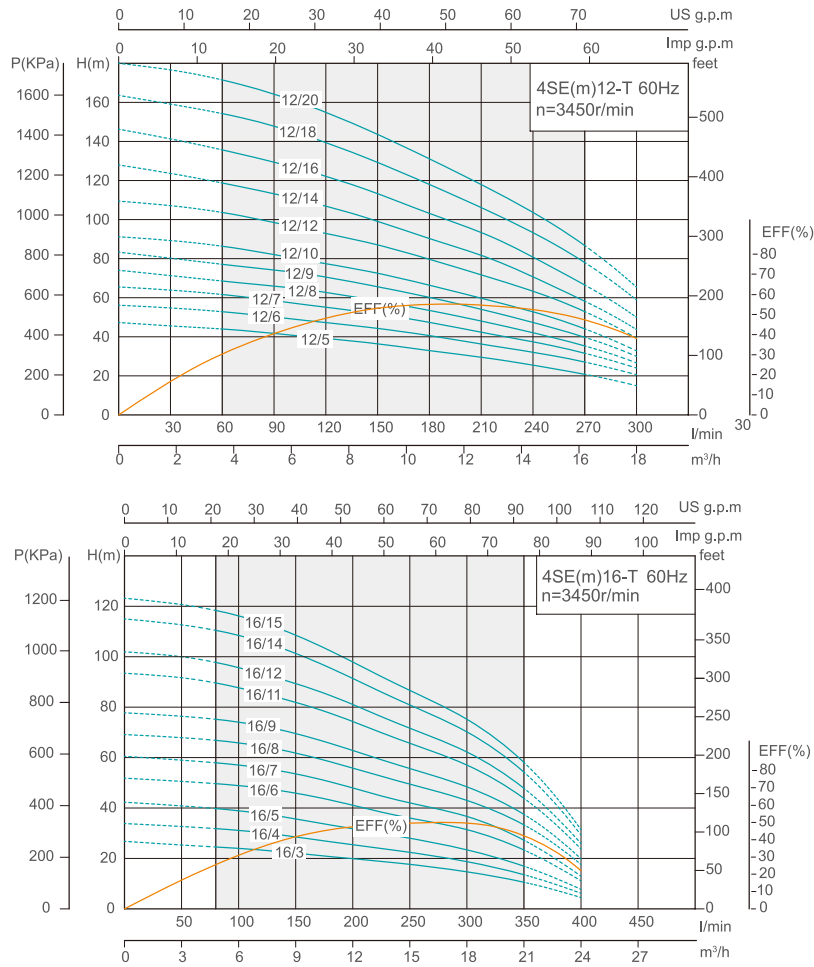
Model		Power		Rate Current (A)				Flow										Head
Single-Phase	Three-Phase	kW	HP	Single		Three		m³/h	0	0.9	1.8	2.7	3.6	4.5	5.4	6.3	7.2	Head Range (m)
110V/220V	220V/380V			110V	220V	220V	380V											
4SEm4/3T	-	0.37	0.5	8.4	4.2			H(m)	30	28	27	26	23	20	16	10	3	28~13
4SEm4/4T	-	0.55	0.75	11	5.5				41	39	38	37	33	29	23	16	7	39~20
4SEm4/6T	4SE4/6T	0.75	1	14.6	7.3	4.2	2.4		64	61	58	56	51	45	36	25	12	60~30
4SEm4/8T	4SE4/8T	1.1	1.5	18	9	5.4	3.1		85	81	79	75	69	60	49	35	17	80~42
4SEm4/11T	4SE4/11T	1.5	2	-	11.9	8.7	5		117	111	108	102	94	83	67	48	26	109~58
4SEm4/13T	4SE4/13T	2.2	3	-	15.6	12.8	7.4		139	133	128	123	113	100	82	60	31	131~71
4SEm4/16T	4SE4/16T	2.2	3	-	20.7	14.5	8.3		171	163	158	151	139	124	101	74	38	161~87
-	4SE4/19T	3	4		15.9	9.2			204	197	189	180	166	143	116	83	44	192~100
-	4SE4/22T	3	4		17.6	10.1			236	228	218	209	192	166	134	96	51	223~116
-	4SE4/25T	4	5.5		19.9	11.5			267	255	247	235	216	188	152	108	57	251~132
-	4SE4/28T	4	5.5		23.5	13.2			299	286	276	263	242	210	170	121	64	281~147
-	4SE4/31T	5.5	7.5		27.7	16			325	312	300	287	267	232	185	129	66	307~158
-	4SE4/35T	5.5	7.5		28.9	17.2			367	352	339	324	301	262	209	146	75	346~178

Model		Power		Rate Current (A)				Flow									Head	
Single-Phase	Three-Phase	kW	HP	Single		Three		m³/h	0	1.2	2.4	3.6	4.8	6	7.2	8.4	9.6	Head Range (m)
110V/220V	220V/380V			110V	220V	220V	380V											
4SEm6/3T	-	0.55	0.75	11	5.5			H(m)	29	27	26	24	22	20	19	15	10	26~10
4SEm6/4T	4SE6/4T	0.75	1	14.6	7.3	4.2	2.4		38	35	33	31	30	27	24	20	14	33~14
4SEm6/6T	4SE6/6T	1.1	1.5	18	9	5.4	3.1		57	53	49	47	44	41	37	30	21	49~21
4SEm6/8T	4SE6/8T	1.5	2	-	11.9	8.7	5		76	70	66	63	59	55	49	40	28	66~28
4SEm6/10T	4SE6/10T	2.2	3	-	15.6	12.8	7.4		95	88	82	78	74	69	62	50	35	82~35
4SEm6/12T	4SE6/12T	2.2	3	-	20.7	14.5	8.3		114	105	98	94	89	83	74	60	42	98~42
-	4SE6/14T	3	4		15.9	9.2			132	123	115	109	104	96	86	70	49	115~49
-	4SE6/16T	3	4		17.6	10.1			151	140	131	125	119	110	99	80	56	131~56
-	4SE6/18T	4	5.5		19.9	11.5			170	158	148	141	134	124	111	90	63	148~63
-	4SE6/21T	4	5.5		23.5	13.2			199	184	172	164	156	144	130	105	74	172~74
-	4SE6/24T	5.5	7.5		27.7	16			227	210	197	188	178	165	148	120	84	197~84
-	4SE6/27T	5.5	7.5		28.9	17.2			255	237	221	211	201	186	167	135	95	221~95
-	4SE6/32T	7.5	10		31.2	18			303	281	262	250	238	220	197	160	113	262~113
-	4SE6/35T	7.5	10		34.2	19.5			331	307	287	274	260	241	216	175	123	287~123



Model		Power		Rate Current (A)				Flow												Head	
Single-Phase	Three-Phase	kW	HP	Single		Three		m³/h	Flow												Range (m)
110V/220V	220V/380V			110V	220V	220V	380V		0	1.2	2.4	3.6	4.8	6	7.2	8.4	9.6	10.8	12		
4SEm8/3T	4SE8/3T	0.75	1	14.6	7.3	4.2	2.4	H(m)	28	27	26	24	23	21	19	19	17	14	11	26~11	
4SEm8/5T	4SE8/5T	1.1	1.5	18	9	5.4	3.1		46	45	43	40	38	36	32	32	29	24	18	43~18	
4SEm8/7T	4SE8/7T	1.5	2	-	11.9	8.7	5		65	64	60	56	53	51	45	45	41	35	27	60~27	
4SEm8/9T	4SE8/9T	2.2	3	-	15.6	12.8	7.4		85	83	78	73	70	67	59	59	53	45	34	78~34	
4SEm8/10T	4SE8/10T	2.2	3	-	20.7	14.5	8.3		94	92	87	81	77	74	65	65	59	50	38	87~38	
-	4SE8/12T	3	4	-	15.9	9.2	-		110	108	104	98	91	87	78	78	70	59	46	104~46	
-	4SE8/13T	3	4	-	17.6	10.1	-		119	117	113	106	99	95	85	85	76	64	50	113~50	
-	4SE8/15T	4	5.5	-	19.9	11.5	-		138	135	131	123	115	110	98	98	87	74	56	131~56	
-	4SE8/17T	4	5.5	-	23.5	13.2	-		156	153	148	140	130	124	113	113	99	84	64	148~64	
-	4SE8/20T	5.5	7.5	-	27.7	16	-		180	177	171	161	150	144	127	127	113	94	70	171~70	
-	4SE8/22T	5.5	7.5	-	28.9	17.2	-		198	195	188	177	166	158	140	140	124	104	77	188~77	
-	4SE8/25T	7.5	10	-	31.2	18	-		223	218	211	199	187	178	156	156	137	113	83	211~83	
-	4SE8/28T	7.5	10	-	34.2	19.5	-		250	244	236	223	209	199	175	175	153	126	93	236~93	

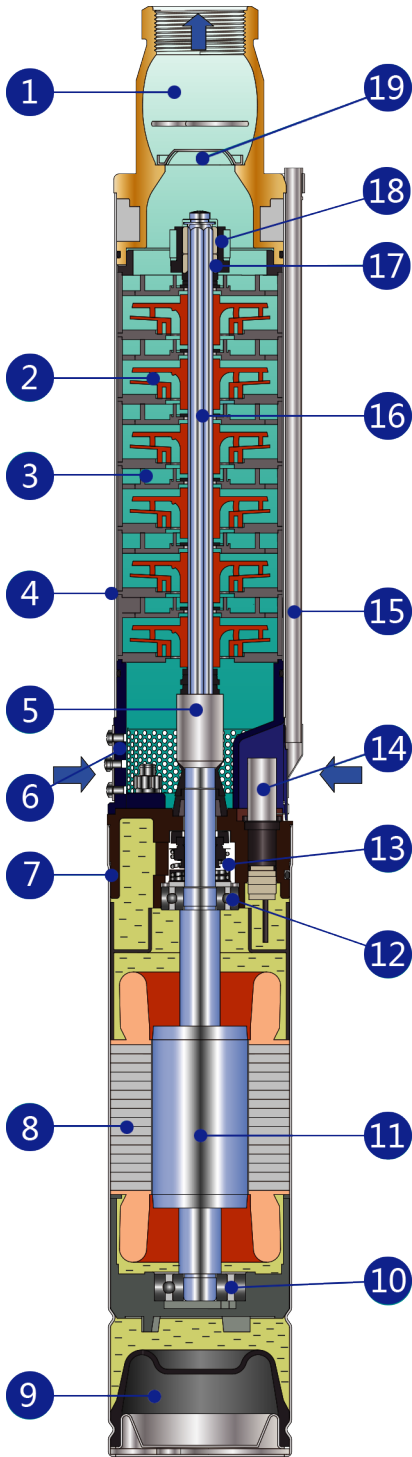
Model		Power		Rate Current (A)				Flow										Head	
Single-Phase	Three-Phase	kW	HP	Single		Three		m³/h	Flow										Range (m)
110V/220V	220V/380V			110V	220V	220V	380V		0	1.8	3.6	5.4	7.2	9	10.8	12.6	14.4		
4SEm10/4T	4SE10/4T	1.1	1.5	18	9	5.4	3.1	H(m)	36	35	33	32	31	29	27	23	16	33~16	
4SEm10/6T	4SE10/6T	1.5	2	-	11.9	8.7	5		54	53	51	48	47	45	40	34	24	16	51~24
4SEm10/7T	4SE10/7T	2.2	3	-	15.6	12.8	7.4		65	64	61	57	55	52	46	38	25	61~25	
4SEm10/8T	4SE10/8T	2.2	3	-	20.7	14.5	8.3		74	73	69	65	63	60	53	43	28	69~28	
-	4SE10/9T	3	4	-	15.9	9.2	-		81	80	76	72	71	67	60	50	36	76~36	
-	4SE10/10T	3	4	-	17.6	10.1	-		90	89	84	80	78	74	67	56	40	84~40	
-	4SE10/11T	4	5.5	-	19.9	11.5	-		98	96	92	88	86	83	75	63	45	92~45	
-	4SE10/13T	4	5.5	-	23.5	13.2	-		116	114	109	105	102	98	89	75	53	109~53	
-	4SE10/15T	5.5	7.5	-	27.7	16	-		133	131	124	119	116	110	97	80	54	124~54	
-	4SE10/17T	5.5	7.5	-	28.9	17.2	-		151	148	141	135	132	125	110	90	60	141~60	
-	4SE10/20T	7.5	10	-	31.2	18	-		175	172	165	158	154	147	131	105	75	165~75	
-	4SE10/22T	7.5	10	-	34.2	19.5	-		192	189	181	174	170	161	144	119	82	181~82	



Model		Power		Rate Current (A)				Flow											Head Range (m)	
Single-Phase	Three-Phase	kW	HP	Single		Three		m³/h l/min	0	1.8	3.6	5.4	7.2	9	10.8	12.6	14.4	16.2		18
110V/220V	220V/380V			110V	220V	220V	380V		0	30	60	90	120	150	180	210	240	270		300
4SEm12/5T	4SE12/5T	1.5	2	-	11.9	8.7	5	H(m)	47	46	44	42	39	36	33	30	25	21	15	44~21
4SEm12/6T	4SE12/6T	2.2	3	-	15.6	12.8	7.4		56	55	53	50	47	44	41	36	32	27	21	53~27
4SEm12/7T	4SE12/7T	2.2	3	-	20.7	14.5	8.3		66	64	62	59	55	52	47	42	37	32	24	62~32
-	4SE12/8T	3	4	-	-	15.9	9.2		74	71	69	66	63	58	53	48	42	35	27	69~35
-	4SE12/9T	3	4	-	-	17.6	10.1		83	80	77	74	71	66	60	54	47	40	30	77~40
-	4SE12/10T	4	5.5	-	-	19.9	11.5		91	89	86	82	77	73	66	60	53	44	33	86~44
-	4SE12/12T	4	5.5	-	-	23.5	13.2		109	107	104	98	93	87	80	72	63	53	39	104~53
-	4SE12/14T	5.5	7.5	-	-	27.7	16		128	124	119	113	107	99	90	82	71	58	44	119~58
-	4SE12/16T	5.5	7.5	-	-	28.9	17.2		146	141	136	129	122	113	103	93	81	67	50	136~67
-	4SE12/18T	7.5	10	-	-	31.2	18		164	159	154	148	142	129	118	106	93	78	59	154~78
-	4SE12/20T	7.5	10	-	-	34.2	19.5		180	177	171	164	155	144	131	118	104	87	65	171~87

Model		Power		Rate Current (A)				Flow										Head Range (m)
Single-Phase	Three-Phase	kW	HP	Single		Three		m³/h l/min	0	3	6	9	12	15	18	21	24	
110V/220V	220V/380V			110V	220V	220V	380V		0	50	100	150	200	250	300	350	400	
4SEm16/3T	4SE16/3T	1.5	2	-	11.9	8.7	5	H(m)	27	25	24	22	20	18	15	11	5	25~11
4SEm16/4T	4SE16/4T	2.2	3	-	15.6	12.8	7.4		34	33	31	29	25	22	19	14	6	32~14
4SEm16/5T	4SE16/5T	2.2	3	-	20.7	14.5	8.3		43	41	40	36	31	28	24	18	8	40~18
-	4SE16/6T	3	4	-	-	15.9	9.2		52	51	49	46	41	36	31	23	11	50~23
-	4SE16/7T	3	4	-	-	17.6	10.1		61	60	57	54	48	42	36	27	13	58~27
-	4SE16/8T	4	5.5	-	-	19.9	11.5		69	68	66	62	56	49	43	33	18	67~33
-	4SE16/9T	4	5.5	-	-	23.5	13.2		78	77	74	70	63	55	48	37	20	75~37
-	4SE16/11T	5.5	7.5	-	-	27.7	16		93	92	88	82	74	66	57	44	24	90~44
-	4SE16/12T	5.5	7.5	-	-	28.9	17.2		101	100	96	89	81	72	62	48	26	98~48
-	4SE16/14T	7.5	10	-	-	31.2	18		115	113	108	101	91	81	70	54	29	110~54
-	4SE16/15T	7.5	10	-	-	34.2	19.5		123	121	116	108	98	87	75	58	31	118~58

Components & Materials



No.	Component	Material
1	Discharge Chamber	Casting, Stainless Steel
2	Impeller	POM
3	Guide Vanes	PC
4	Pump Sleeve	Stainless Steel
5	Shaft Coupling	Stainless Steel
6	Inlet Part	Casting, Stainless Steel
7	Oil Chamber	Brass, Casting, Stainless Steel
8	Stator	---
9	Pressure Regulating Membrane	NBR
10	Lower Sliding Bearing	0.37~2.2kW:7303B 3~7.5kW:7304B DT
11	Rotor	AISI 304 + Steel 45#
12	Upper Sliding Bearing	6203
13	Mechanical Seal	118-16/26 S:K(PC)
14	Cable Joint	---
15	Cable Guard	Stainless Steel
16	Pump Shaft	Stainless Steel
17	Shaft Sleeve	Ceramics
18	Rubber Bearing	PEUR
19	Check Valve	Stainless Steel