

# "SL6"



Sealand Electric Pumps South Africa

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### SUBMERSIBLE PUMPS FOR 6" WELLS IN STAINLESS STEEL

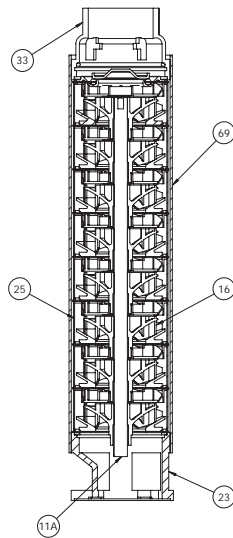
The 6" submersible pumps of the series "SL6" have been designed to be installed in Ø 6-8" wells (150/200 mm) and to pump clean water or water with the slight presence of sand (40 g/m<sup>2</sup>max.), without suspended solids.

Temperatures not higher than 35 °C for domestic use (CEI EN 60335-2-41) or 40 °C for other use, while the ambient temperature must not be higher than 40 °C.

Thanks to the particular design, the non-return valve, integrated in the upper head preserves the impellers and diffuser from the weight of the column and eventual water hammers.

### TECHNICAL FEATURES

- Upper head of the pump: in precision-cast stainless steel Aisi 304
- Suction flange: in precision-cast stainless steel Aisi 304
- Check valve: in stainless steel Aisi 304
- Pump shaft: in stainless steel Aisi 304
- Outside sleeve: in stainless steel Aisi 304
- Diffusers: Techno-polymer with spacer and wear disk in stainless steel Aisi 304
- Impellers: Techno-polymer with wear disk in polyurethane



### SPARE PARTS LIST

- 11A Pump shaft
- 16 Impeller
- 23 Suction flange body
- 25 Diffuser
- 33 Outlet flange
- 69 Cover

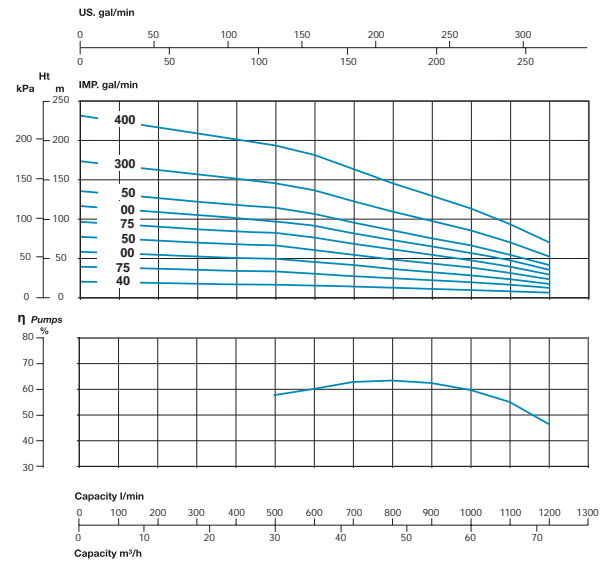
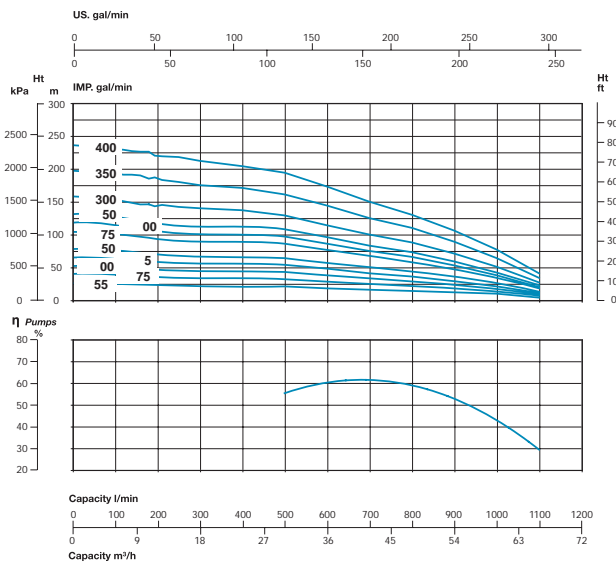
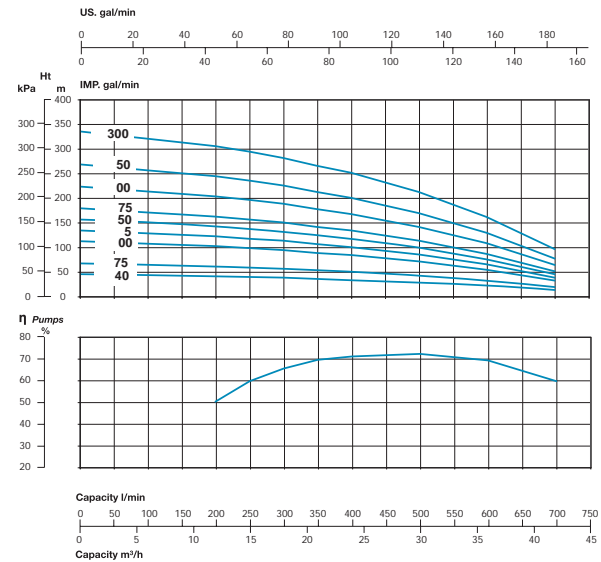
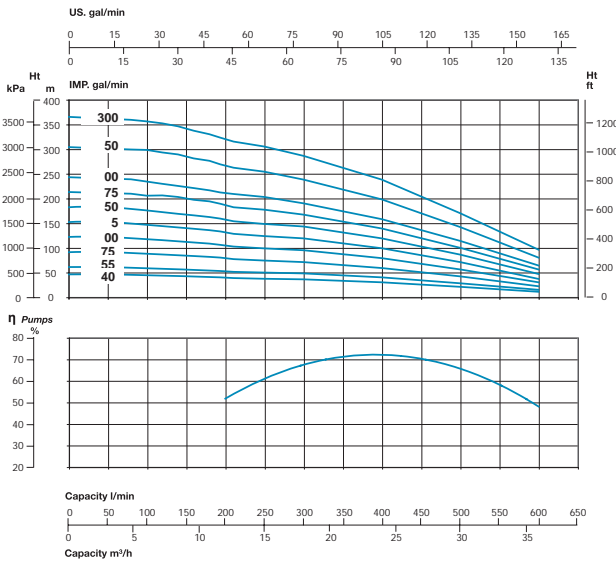
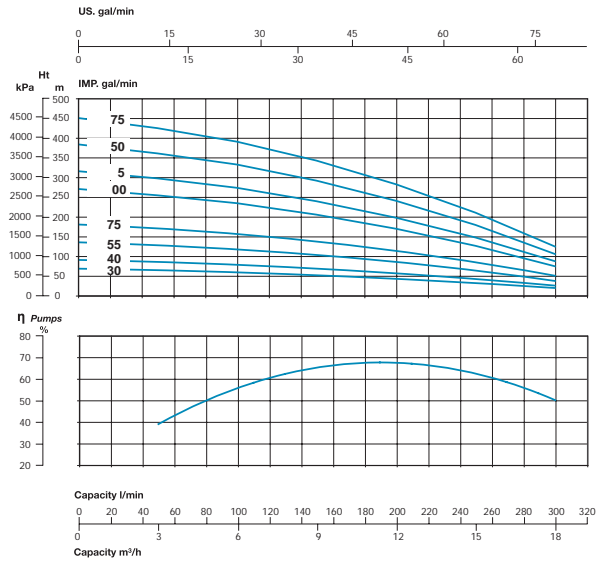
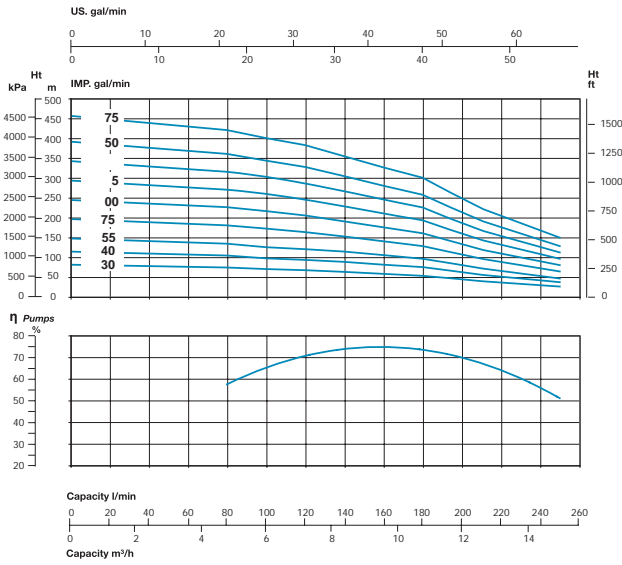
50 Hz

TYPE	Nominal power		Capacity																		
			Q [m <sup>3</sup> /h]	Q [l/s]																	
				0	4.8	6	7.2	8.4	9.6	10.8	12	13.2	15	18	24	30	36	42	48	54	60
a	kW	HP	Total head (m W.C.)																		
SL6 - H 30 (1)	2.2	3	81	74	70	67	63	58	53	47	39	26									
SL6 - H 40 (1)	3	4	114	104	97	93	88	81	75	66	55	37									
SL6 - H 55 (1)	4	5.5	147	134	125	120	114	105	96	85	71	46									
SL6 - H 75 (1)	5.5	7.5	196	180	172	163	152	140	128	113	95	64									
SL6 - H 100	7.5	10	244	226	216	205	190	175	160	141	118	80									
SL6 - H 125	9.2	12.5	293	270	250	245	228	210	193	169	142	96									
SL6 - H 126	9.2	12.5	342	315	291	286	266	245	225	197	166	112									
SL6 - H 150	11	15	391	360	333	327	304	280	257	226	190	128									
SL6 - H 175	13	17.5	456	420	388	382	354	326	300	263	221	149									
SL6 - I 30 (1)	2.2	3	62			60	58	56	53	51	48	42	29								
SL6 - I 40 (1)	3	4	78			75	72	69	66	64	60	52	36								
SL6 - I 55 (1)	4	5.5	94			89	87	83	80	76	72	63	44								
SL6 - I 75 (1)	5.5	7.5	140			134	130	125	120	114	108	95	66								
SL6 - I 100	7.5	10	187			179	173	167	160	153	144	127	88								
SL6 - I 125	9.2	12.5	234			223	216	209	201	191	180	158	110								
SL6 - I 150	11	15	281			268	260	251	241	229	216	190	132								
SL6 - I 175	13	17.5	328			313	304	293	281	267	251	222	154								
SL6 - I 200	15	20	374			358	347	335	321	305	287	254	176								
SL6 - I 250	18.5	25	468			447	434	419	401	381	359	317	220								
SL6 - L 40 (1)	3	4	46							40	38.7	37.3	36	30	21	11					
SL6 - L 55 (1)	4	5.5	61							53	51.3	49.7	48	40	28	15					
SL6 - L 75 (1)	5.5	7.5	91							80	77.0	74.0	71	59	42	22					
SL6 - L 100	7.5	10	122							106	102.3	98.7	95	79	56	30					
SL6 - L 125	9.2	12.5	152							133	128.3	123.7	119	99	71	37					
SL6 - L 150	11	15	182							159	153.7	148.3	143	119	86	47					
SL6 - L 175	13	17.5	213							186	179.7	173.3	167	139	100	56					
SL6 - L 200	15	20	243							212	204.7	197.3	190	158	114	64					
SL6 - L 250	18.5	25	304							265	256.0	247.0	238	198	142	80					
SL6 - L 300	22	30	365							318	307.3	296.7	286	238	170	96					
SL6 - N 40 (1)	3	4	31										28	27	24	20	14	8			
SL6 - N 55 (1)	4	5.5	48										42	39	36	30	21	12			
SL6 - N 75 (1)	5.5	7.5	63										57	53	48	40	28	16			
SL6 - N 100	7.5	10	78										71	66	60	50	36	20			
SL6 - N 125	9.2	12.5	94										85	80	72	60	43	23			
SL6 - N 150	11	15	126										114	106	96	80	57	31			
SL6 - N 175	13	17.5	141										128	120	108	90	64	35			
SL6 - N 200	15	20	157										142	133	119	100	71	39			
SL6 - N 250	18.5	25	188										170	160	143	120	86	47			
SL6 - N 300	22	30	235										213	199	179	150	107	59			
SL6 - N 350	26	35	283										256	239	214	180	128	71			
SL6 - N 400	30	40	314										284	266	238	200	142	78			
SL6 - P 55 (1)	4	5.5	26												21	18	16	14	12	10	4
SL6 - P 75 (1)	5.5	7.5	40												32	28	25	22	18	13	7
SL6 - P 100	7.5	10	52												43	38	33	29	23	17	9
SL6 - P 125	9.2	12.5	65												54	48	41	36	29	21	11
SL6 - P 150	11	15	78												64	57	50	44	36	26	13
SL6 - P 175	13	17.5	104												86	77	67	58	47	34	18
SL6 - P 200	15	20	118												97	86	75	66	53	38	20
SL6 - P 250	18.5	25	131												108	96	83	73	59	42	23
SL6 - P 300	22	30	158												129	114	100	88	71	51	27
SL6 - P 350	26	35	197												161	144	125	110	89	64	34
SL6 - P 400	30	40	236												194	173	150	130	106	77	41

(1) Coupled with 4" motor

$\text{min}^{-1} \sim 2900$

$\text{min}^{-1} \sim 3400$



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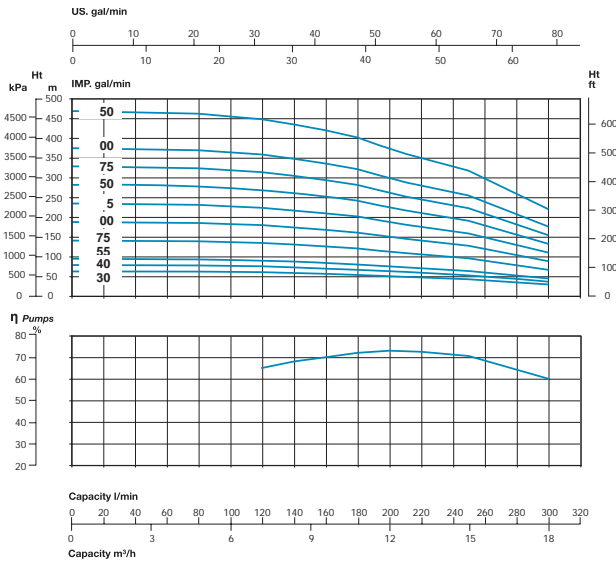


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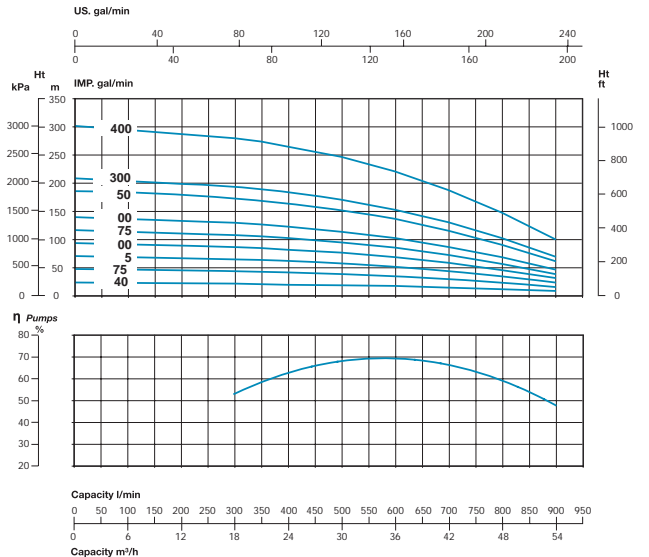
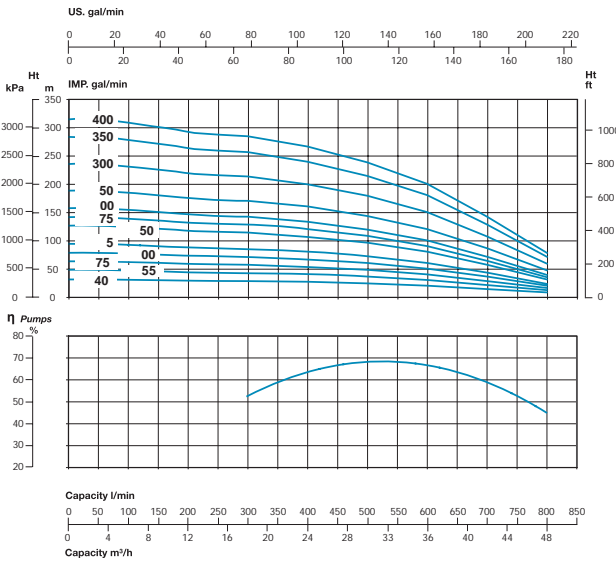
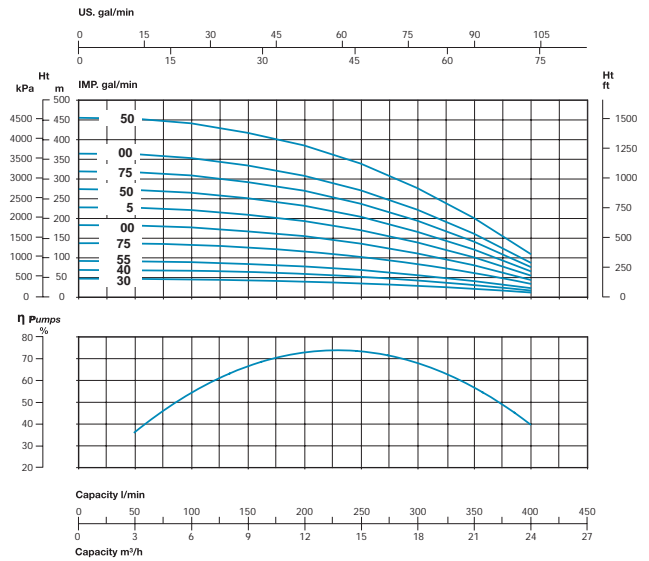


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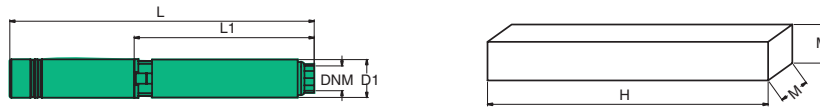
min<sup>-1</sup> ~ 2900



min<sup>-1</sup> ~ 3400



50 Hz



TYPE	DIMENSIONS [mm]				PACKING [mm]		WEIGHT [kg]	
	L1	L	D1	DNM	H	M	Pompa	Totale
SL6 - H 30 (1)	478	834	135	3"	884	160	8,5	22
SL6 - H 40 (1)	549	972	135	3"	1022	160	9,5	25,5
SL6 - H 55 (1)	625	1208	135	3"	1258	160	11	32,8
SL6 - H 75 (1)	738	1435	135	3"	1485	160	13,5	40,8
SL6 - H 100	852	1626	145	3"	1676	160	15	60,5
SL6 - H 125	966	1645	145	3"	1695	160	17	63,7
SL6 - H 126	1079	1758	145	3"	1808	160	19,5	66,2
SL6 - H 150	1193	1904	145	3"	1954	160	21	70
SL6 - H 175	1397	2173	145	3"	2223	160	23,5	80
SL6 - I 30 (1)	435	791	135	3"	841	160	8	21,5
SL6 - I 40 (1)	478	901	135	3"	951	160	8,5	30,3
SL6 - I 55 (1)	511	1056	135	3"	1106	160	9	29,8
SL6 - I 75 (1)	625	1322	135	3"	1372	160	11	38,3
SL6 - I 100	738	1512	145	3"	1562	160	13,5	45,5
SL6 - I 125	852	1531	145	3"	1581	160	15	61,7
SL6 - I 150	966	1677	145	3"	1727	160	17	66
SL6 - I 175	1079	1855	145	3"	1905	160	19	75,5
SL6 - I 200	1193	1969	145	3"	2019	160	21	77,5
SL6 - I 250	1474	2316	145	3"	2366	160	25	87
SL6 - L 40 (1)	454	877	135	3"	927	160	8	24
SL6 - L 55 (1)	511	1056	135	3"	1106	160	9	29,8
SL6 - L 75 (1)	625	1322	135	3"	1372	160	10,5	37,8
SL6 - L 100	738	1512	145	3"	1562	160	13	45
SL6 - L 125	852	1531	145	3"	1581	160	14,5	61,2
SL6 - L 150	966	1677	145	3"	1727	160	16	65
SL6 - L 175	1079	1855	145	3"	1905	160	17,5	74
SL6 - L 200	1193	1969	145	3"	2019	160	19	75,5
SL6 - L 250	1474	2316	145	3"	2366	160	24	86
SL6 - L 300	1700	2607	145	3"	2657	160	27,5	96,3
SL6 - N 40 (1)	403	826	135	3"	876	160	6,5	22,5
SL6 - N 55 (1)	463	1046	135	3"	1096	160	7,5	29,3
SL6 - N 75 (1)	522	1219	135	3"	1269	160	8,5	35,8
SL6 - N 100	582	1356	145	3"	1406	160	9,5	41,5
SL6 - N 125	642	1321	145	3"	1371	160	10,5	57,2
SL6 - N 150	762	1473	145	3"	1523	160	12	61
SL6 - N 175	822	1598	145	3"	1648	160	13	69,5
SL6 - N 200	882	1658	145	3"	1708	160	14	70,5
SL6 - N 250	1002	1844	145	3"	1894	160	15	78
SL6 - N 300	1182	2089	145	3"	2139	160	19	87,8
SL6 - N 350	1414	2451	145	3"	2501	160	22	106
SL6 - N 400	1534	2571	145	3"	2621	160	25	110
SL6 - P 55 (1)	403	948	135	3"	998	160	6,5	27,3
SL6 - P 75 (1)	463	1160	135	3"	1210	160	7,5	34,8
SL6 - P 100	522	1296	145	3"	1346	160	8,5	40,5
SL6 - P 125	582	1261	145	3"	1311	160	9,5	56,2
SL6 - P 150	642	1353	145	3"	1403	160	10,5	59,5
SL6 - P 175	762	1538	145	3"	1588	160	12	68,5
SL6 - P 200	822	1598	145	3"	1648	160	13	69,5
SL6 - P 250	882	1724	145	3"	1774	160	14	76
SL6 - P 300	1002	1909	145	3"	1959	160	16	84,8
SL6 - P 350	1182	2219	145	3"	2269	160	19	104
SL6 - P 400	1414	2451	145	3"	2501	160	22	107