



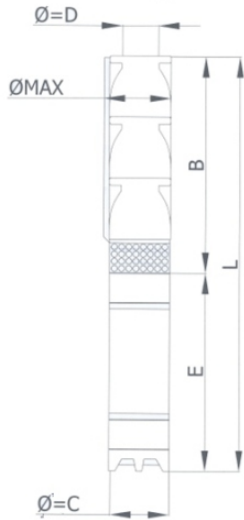
**SUBMERSIBLE BOREHOLE PUMP**

TYPICAL TECHNICAL DATA

BASED ON WATER DENSITY 1000 kg/m<sup>3</sup>

VISCOSITY 1.13 cst 113 mm<sup>2</sup>/s

**T 645**



Pumped Liquid: Non - Aggressive. Temperature min = 0° C max = 40° C			
Maximum allowable solid quantity = 50 g/m <sup>3</sup> solid dimension: Max 2mm			
Speed - 2900 RPM	CW = 5,5 - 60 Qmax = 68 m <sup>3</sup> /h	Best efficiency point:	Q = 46 m <sup>3</sup> H = 217 m
Maximum pump diameter (including cable guard): 153 mm		Discharge diameter:	3 "
Maximum depth of application: Up to 250 m below the water level		Maximum working pressure:	25 atm
Minimum liquid level: 800 mm from bottom of suction grid		Maximum head:	290 m
Impeller type: Mixed Flow	Construction and safety standards: TS 11146:1993 TS EN ISO 12100-1:2007 TS EN 809:2000 TS EN ISO 12100-2:2006 98/37/EC		

PUMP TYPE	MOTOR		DIMENSIONS (mm)						WEIGHT (kg)		
	HP	Kw	L	E	B	Ø = C	Ø = D	Ø MAX	MOTOR	PUMP	TOTAL
T645/02	5.5	4	1246	631	615	145	3"	153	45	25	70
T645/03	7.5	5.5	1381	651	730	145	3"	153	50	31	81
T645/04	10	7.5	1536	691	845	145	3"	153	55	37	92
T645/05	12.5	9.3	1691	731	960	145	3"	153	60	43	103
T645/06	15	11	1856	781	1075	145	3"	153	65	49	114
T645/07	17.5	15	2021	831	1190	145	3"	153	67	55	122
T645/08	20	15	2186	881	1305	145	3"	153	77	61	138
T645/09	25	18.5	2401	981	1420	145	3"	153	88	67	155
T645/10	25	18.5	2516	981	1535	145	3"	153	88	73	161
T645/11	30	22	2681	1031	1650	145	3"	153	93	79	172
T645/12	30	22	2796	1031	1765	145	3"	153	93	85	178
T645/13	40	30	2991	1111	1880	145	3"	153	105	91	196
T645/14	40	30	3106	1111	1995	145	3"	153	105	97	202
T645/15	40	30	3221	1111	2110	145	3"	153	105	103	208
T645/16	50	37	3416	1191	2225	145	3"	153	112	109	221
T645/17	50	37	3531	1191	2340	145	3"	153	112	115	227
T645/18	50	37	3726	1271	2455	145	3"	153	114	121	235
T645/19	50	37	3841	1271	2570	145	3"	153	114	127	241
T645/20	50	37	3956	1271	2685	145	3"	153	114	133	247
T645/21	50	37	4071	1271	2800	145	3"	153	114	139	253
T645.22	60	45	4186	1271	2915	145	3"	153	114	145	259

PUMP TYPE	MOTOR		m <sup>3</sup> /h	Head in Meters																					
	HP	Kw		0.0	5.0	5.6	6.1	6.7	7.2	8.3	9.4	10.0	10.6	11.1	11.7	12.2	12.8	13.3	13.9	14.4	15.6	16.7	17.2	17.8	18.3
T645/02	5.5	4	30	27	25	26	26	25	24	24	23	23	22	22	21	20	19	18	17	16	14	13	11	10	8
T645/03	7.5	5.5	44	39	39	38	38	37	36	35	35	34	33	32	31	30	29	26	25	22	19	17	15	13	11
T645/04	10	7.5	59	52	51	50	49	48	47	46	45	44	43	42	41	39	37	35	33	29	24	22	18	15	11
T645/05	12.5	9.3	73	65	64	64	63	61	59	58	57	56	55	53	52	49	47	44	42	37	32	30	25	21	13
T645/06	15	11	89	79	77	77	75	74	72	70	69	67	66	64	62	59	57	53	50	45	39	36	31	26	22
T645/07	17.5	15	103	92	90	89	87	85	83	81	80	77	75	73	71	68	64	61	57	50	43	40	36	31	25
T645/08	20	15	117	105	103	102	100	98	96	94	93	89	90	85	83	79	74	70	66	58	50	46	38	31	24
T645/09	25	18.5	134	119	117	116	114	113	109	107	106	103	101	98	95	92	87	82	77	69	59	55	43	36	29
T645/10	25	18.5	148	133	130	128	125	123	120	117	115	113	111	107	104	100	95	90	85	74	65	60	48	38	31
T645/11	30	22	162	145	142	140	138	135	132	129	126	124	122	118	114	109	104	98	93	81	70	65	50	41	33
T645/12	30	22	177	158	155	153	150	147	143	140	138	135	133	128	125	119	113	107	101	89	77	70	55	45	36
T645/13	40	30	191	170	167	165	163	159	154	152	149	146	143	139	135	128	122	115	109	96	82	74	57	48	38
T645/14	40	30	205	184	181	179	176	173	167	164	161	158	154	150	145	139	133	125	118	104	89	81	64	52	41
T645/15	40	30	218	198	195	192	189	186	180	176	173	170	166	161	156	150	143	135	127	112	97	89	70	56	45
T645/16	40	37	231	211	208	205	201	198	192	187	184	180	176	170	165	158	151	141	134	118	102	93	73	60	46
T645/17	40	37	245	222	219	216	212	210	205	197	194	190	185	179	173	166	158	148	140	123	106	97	75	64	47
T645/18	50	37	261	237	234	235	232	227	220	213	211	207	202	196	190	183	174	162	154	136	113	105	86	70	56
T645/19	50	37	276	251	247	248	244	240	233	226	221	217	212	206	199	192	181	170	160	143	123	113	87	76	60
T645/20	50	37	291	264	260	261	257	252	245	238	233	229	223	217	209	202	190	179	169	150	130	119	91	80	63
T645/21	50	37	306	277	273	270	266	263	254	248	244	238	233	226	217	209	199	188	175	157	135	124	95	84	66
T645.22	60	45	318	290	286	286	279	275	268	259	255	249	243	237	228	217	207	195	186	163	140	127	110	97	77

DATE 07/02/2012

TECHNICAL DATA NO: FPS T-645