



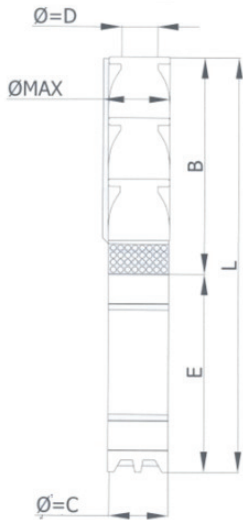
SUBMERSIBLE BOREHOLE PUMP

TYPICAL TECHNICAL DATA

BASED ON WATER DENSITY 1000 kg/m³

VISCOSITY 1.13 cst 113 mm²/s

T 8180



Pumped Liquid: Non - Aggressive. Temperature min = 0° C max = 40° C			
Maximum allowable solid quantity = 50 g/m ³ solid dimension: Max 2mm			
Speed - 2900 RPM	CW = 12.5 - 110 Qmax = 274 m ³ /h	Best efficiency point:	Q = 210 m ³ H = 130 m
Maximum pump diameter (including cable guard): 205 mm	Discharge diameter:	5 "	
Maximum depth of application: Up to 250 m below the water level	Maximum working pressure:	25 atm	
Minimum liquid level: 1200 mm from bottom of suction grid	Maximum head:	184 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)					
	6"	8"	Kw	8.6"	8.8"	B	6"	8"	6"	8"	Ø = C	Ø = C	Ø MAX	Ø = D	6"	8"	PUMP	8.6"	8.8"
	HP	HP		L	L	E	E	E	Ø = C	Ø = C	Ø MAX	Ø = D	MOTOR	MOTOR	TOTAL	TOTAL	TOTAL	TOTAL	
T8180/01z	12.5	-	9.2	1451	-	720	731	-	145	-	200	5"	60	-	44	104	-	-	-
T8180/01x	15	-	11	1501	-	720	781	-	145	-	200	5"	65	-	43.9	109	-	-	-
T8180/02z	25	-	18.5	1886	-	905	981	-	145	-	200	5"	88	-	59	147	-	-	-
T8180/02x	30	30	22	1936	1766	905	1031	861	145	195	205	5"	93	121	59.5	152	180	-	-
T8180/03z	40	40	30	2281	2165	1090	1191	1075	145	195	205	5"	112	142	75	187	217	-	-
T8180/03x	50	50	37	2361	2192	1090	1271	1102	145	195	205	5"	114	148	75.1	189	223	-	-
T8180/04z	50	50	37	2546	2377	1275	1271	1102	145	195	205	5"	114	148	91	205	239	-	-
T8180/04x	60	60	45	2546	2435	1275	1271	1160	145	195	205	5"	114	159	90.7	205	250	-	-
T8180/05z	-	70	52	-	2612	1460	-	1152	-	195	205	5"	-	178	106	-	284	-	-
T8180/05x	-	75	55	-	2742	1460	-	1282	-	195	205	5"	-	183	106.3	-	289	-	-
T8180/06z	-	75	55	-	2927	1645	-	1282	-	195	205	5"	-	183	122	-	305	-	-
T8180/06x	-	90	66	-	3038	1645	-	1393	-	195	205	5"	-	203	121.9	-	325	-	-
T8180/07z	-	90	66	-	3223	1830	-	1393	-	195	205	5"	-	203	137	-	340	-	-
T8180/08z	-	100	75	-	3479	2015	-	1464	-	195	205	5"	-	217	153.1	-	370	-	-
T8180/07x	-	110	81	-	3365	1830	-	1535	-	195	205	5"	-	232	137	-	369	-	-
T8180/08x	-	125	92	-	3665	2015	-	1650	-	195	205	5"	-	256	153.1	-	409	-	-
T8180/09z	-	125	92	-	3850	2200	-	1650	-	195	205	5"	-	256	169	-	425	-	-
T8180/10z	-	125	92	-	4035	2385	-	1650	-	195	205	5"	-	256	184.3	-	440	-	-
T8180/09x	-	150	110	-	4044	2200	-	1844	-	195	205	5"	-	295	169	-	464	-	-
T8180/11z	-	150	110	-	4414	2570	-	1844	-	195	205	5"	-	295	199.9	-	495	-	-
T8180/10x	-	150	110	-	4229	2385	-	1844	-	195	205	5"	-	295	184	-	479	-	-

PUMP TYPE	MOTOR		m ³ /h	0	120	130	136	140	150	160	170	180	190	200	210	220	230	240	250	257	266	
	HP	Kw		0.0	33.3	36.1	37.8	38.9	41.7	44.4	47.2	50.0	52.8	53.6	58.3	61.1	63.9	66.7	69.4	71.5	73.8	
T8180/01z	12.5	9.2	Head in Meters	26	16	15	15	15	15	13	13	12	12	11	10	9	7	6	4	3	1	
T8180/01x	15	11		31	20	20	19	19	18	18	17	17	16	16	15	15	14	13	12	11	10	
T8180/02z	25	18.5		49	30	30	29	29	27	27	26	24	22	19	18	15	13	10	6	5	1	
T8180/02x	30	22		56	39	38	37	36	35	34	34	33	33	31	29	26	24	22	20	18	15	
T8180/03z	40	30		71	44	43	42	41	40	39	37	35	32	29	25	22	17	14	9	6	2	
T8180/03x	50	37		84	58	56	55	54	52	51	50	49	47	44	42	36	35	33	29	24	20	
T8180/04z	50	37		90	56	55	54	53	51	50	48	44	40	36	31	26	21	17	11	7	2	
T8180/04x	60	45		110	73	71	70	69	67	66	65	63	61	57	53	50	45	41	36	32	26	
T8180/05z	70	52		114	73	71	69	67	64	62	59	55	50	44	39	33	26	20	13	8	2	
T8180/05x	75	55		137	94	91	89	87	85	83	82	80	75	71	66	62	55	51	43	40	34	
T8180/06z	75	55		136	87	85	83	81	78	75	72	66	60	53	46	39	31	24	16	9	3	
T8180/06x	90	66		161	116	111	108	105	101	98	97	94	90	84	79	72	65	59	51	46	40	
T8180/07z	90	66		157	100	98	96	94	90	87	83	75	69	61	53	45	36	28	18	11	3	
T8180/08z	100	75		179	117	113	111	108	102	98	94	87	78	70	61	52	40	32	20	13	4	
T8180/07x	110	81		187	136	130	125	121	116	114	112	109	104	97	91	85	76	66	58	51	43	
T8180/08x	125	92		212	147	144	142	140	133	131	128	123	117	110	104	97	86	77	65	58	50	
T8180/09z	125	92	201	131	127	124	121	114	111	106	98	88	78	69	58	45	36	23	14	4		
T8180/10z	125	92	223	146	142	138	135	127	123	118	108	98	87	76	65	50	40	25	16	4		
T8180/09x	150	110	239	165	162	159	157	149	147	145	139	132	124	117	109	96	87	73	65	56		
T8180/11z	150	110	246	160	156	152	148	140	135	129	119	108	95	84	71	55	44	28	18	5		
T8180/10x	150	110	265	184	180	177	175	166	163	161	154	147	138	130	121	107	97	82	73	62		

DATE 02/11/2010

TECHNICAL DATA NO: FPS T-8180

