



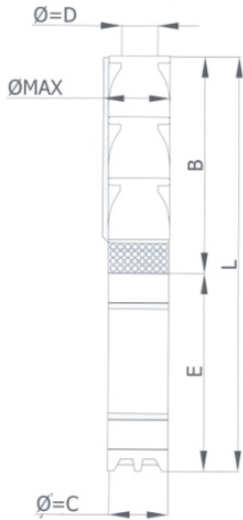
**SUBMERSIBLE BOREHOLE PUMP**

TYPICAL TECHNICAL DATA

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

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

**T 690**



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 = 130 m <sup>3</sup> /h	Best efficiency point:	Q = 90 m <sup>3</sup> H = 113 m
Maximum pump diameter (including cable guard): 153 mm		Discharge diameter:	4 "
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:	142 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
T690/01	5.5	4	811	631	180	145	4"	153	45	24	69
T690/02	10	7.5	1011	691	320	145	4"	153	55	31	86
T690/03	15	11	1241	781	460	145	4"	153	65	37	102
T690/04	20	15	1481	881	600	145	4"	153	77	44	121
T690/05	25	18.5	1721	981	740	145	4"	153	88	50	138
T690/06	30	22	1911	1031	880	145	4"	153	93	57	150
T690/07	40	30	2131	1111	1020	145	4"	153	105	63	168
T690/08	40	30	2351	1191	1160	145	4"	153	112	70	182
T690/09	50	37	2571	1271	1300	145	4"	153	114	76	190
T690/10	50	37	2711	1271	1440	145	4"	153	114	83	197
T690/11	60	45	2851	1271	1580	145	4"	153	114	89	203
T690/12	60	45	2991	1271	1720	145	4"	153	114	96	210

PUMP TYPE	MOTOR		m <sup>3</sup> /h	Head in Meters																		
	HP	Kw		l/sn	0.0	11.7	13.3	15.0	16.7	18.3	20	20.8	22.2	23.3	25.0	26.7	27.8	29.2	30.6	31.9	33.3	34.7
T690/01	5.5	4		16	12	11	11	11	10	10	10	10	10	9	9	9	8	8	7	6	5	4
T690/02	10	7.5		31	24	23	22	21	20	20	20	19	19	18	17	16	15	14	12	10	8	
T690/03	15	11		47	35	34	33	32	30	30	29	29	28	27	26	25	23	21	18	15	12	
T690/04	20	15		63	47	45	43	42	40	40	39	39	38	36	35	33	31	28	24	20	15	
T690/05	25	18.5		78	59	56	54	53	50	50	49	48	47	45	44	41	38	35	30	25	19	
T690/06	30	22		94	71	68	65	63	61	60	59	58	56	54	52	49	46	42	37	30	23	
T690/07	40	30		110	83	79	76	74	72	71	70	69	68	66	63	61	58	54	49	43	35	27
T690/08	40	30		125	94	90	87	84	82	81	80	79	77	75	72	70	66	61	56	49	41	31
T690/09	50	37		141	106	101	98	95	93	91	90	88	87	84	81	78	74	69	63	55	46	35
T690/10	50	37		157	118	113	108	105	103	101	100	98	97	94	90	87	82	77	70	61	51	39
T690/11	60	45		172	130	124	119	116	113	111	110	108	106	103	99	96	91	84	77	67	56	42
T690/12	60	45		188	142	135	130	126	123	121	120	118	116	113	108	105	99	92	83	73	61	46

DATE 07/02/2012

TECHNICAL DATA NO: FPS T-690