



T10 Triplex Pump

Pump Specifications

Rated (HP, kW)	10	7.5
Stroke length (in., mm)	1.58	40.3
Maximum discharge pressure (PSI, Bar)		
T10H	4,400	303
T10L	1,780	123
Rated rod load (lb, kg)	2,645	1,200
Intermittent duty speed, RPM	450	
Maximum continuous duty speed, RPM	325	
Minimum speed, RPM	90	
Crankshaft dimensions (in., mm)		
Diameter	1.75	44.5
Length (both sides)	3.75	95.3
Keyway, width x depth (in., mm)	.375 x .1875	9.5 x 4.8
Oil capacity (gal, l)	0.95	4.3
Weight (lb, kg); estimates only	330	149.7
Mechanical efficiency	90%	



Flange Connections

Pump Model	Discharge Connection Sizes (in., mm)	Suction Connection Sizes (in., mm)
T10H	1.0 (25.4) NPT	1.5 (38.1) NPT
T10L	1.0 (25.4) NPT	2.0 (50.8) NPT

Standard Equipment

- Forged duplex stainless steel, or forged carbon steel fluid ends
- Duplex stainless steel stuffing boxes
- Disc valve
- Tungsten carbide coated plungers over stainless steel base or solid ceramic plungers
- Double extended crankshaft
- Multiple plunger packing arrangements offered

Optional Accessories

- Packing lubricators
- Customized plunger packing arrangements
- Complete pump packages

Technical Support

pumps@weatherford.com
1-281-252-7867



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Performance Ratings

Model (standard)	Plunger Diameter (in.)	Gallons Per Revolution	Maximum Pressure PSI	90 RPM		150 RPM		200 RPM		300 RPM		325 RPM		Intermittent Duty 450 RPM	
				GPM	BPD	GPM	BPD	GPM	BPD	GPM	BPD	GPM	BPD	GPM	BPD
T10H	0.875	0.0123	4,400	1.1	38	1.8	63	2.5	84	3.7	126	4.0	137	5.5	190
	0.938	0.0141	3,830	1.3	44	2.1	73	2.8	97	4.2	145	4.6	157	6.4	218
	1.000	0.0161	3,370	1.4	50	2.4	83	3.2	110	4.8	165	5.2	179	7.2	248
	1.125	0.0203	2,660	1.8	63	3.0	105	4.1	139	6.1	209	6.6	227	9.1	314
T10L	1.250	0.0251	2,160	2.3	77	3.8	129	5.0	172	7.5	258	8.2	280	11.3	387
	1.375	0.0304	1,780	2.7	94	4.6	156	6.1	208	9.1	312	9.9	338	13.7	469
	1.500	0.0361	1,500	3.3	112	5.4	186	7.2	248	10.8	372	11.7	403	16.3	558
	1.750	0.0492	1,100	4.4	152	7.4	253	9.8	337	14.8	506	16.0	548	22.1	759
	2.000	0.0643	840	5.8	198	9.6	330	12.9	441	19.3	661	20.9	716	28.9	991

Model (metric)	Plunger Diameter (in.)	Liters Per Revolution	Maximum Pressure BAR	90 RPM		150 RPM		200 RPM		300 RPM		325 RPM		Intermittent Duty 450 RPM	
				LPM	M ³ /hr	LPM	M ³ /hr	LPM	M ³ /hr	LPM	M ³ /hr	LPM	M ³ /hr	LPM	M ³ /hr
T10H	0.875	0.0465	303	4.2	0.3	7.0	1.4	9.3	0.6	14.0	0.8	15.1	0.9	20.9	1.3
	0.938	0.0534	264	4.8	0.3	8.0	1.5	10.7	0.6	16.0	1.0	17.4	1.0	24.0	1.4
	1.000	0.0608	232	5.5	0.3	9.1	1.5	12.2	0.7	18.2	1.1	19.8	1.2	27.4	1.6
	1.125	0.0769	183	6.9	0.4	11.5	1.7	15.4	0.9	23.1	1.4	25.0	1.5	34.6	2.1
T10L	1.250	0.0950	149	8.5	0.5	14.2	1.9	19.0	1.1	28.5	1.7	30.9	1.9	42.7	2.6
	1.375	0.1149	123	10.3	0.6	17.2	1.0	23.0	1.4	34.5	2.1	37.4	2.2	51.7	3.1
	1.500	0.1368	103	12.3	0.7	20.5	1.2	27.4	1.6	41.0	2.5	44.5	2.7	61.6	3.7
	1.750	0.1862	76	16.8	1.0	27.9	1.7	37.2	2.2	55.9	3.4	60.5	3.6	83.8	5.0
	2.000	0.2432	58	21.9	1.3	36.5	2.2	48.6	2.9	73.0	4.4	79.0	4.7	109.4	6.6

General Notes

1. Capacities shown are based on 100 percent volumetric efficiency. Actual capacities are lower, based on discharge pressure and fluid compressibility.
2. API-674 and NACE-compliant designs are available; consult Weatherford for details and exceptions to these standards.
3. For operation below 90 RPM, an auxiliary lubrication system is required.
4. Standard plunger sizes are shown, however other sizes are available upon request.