



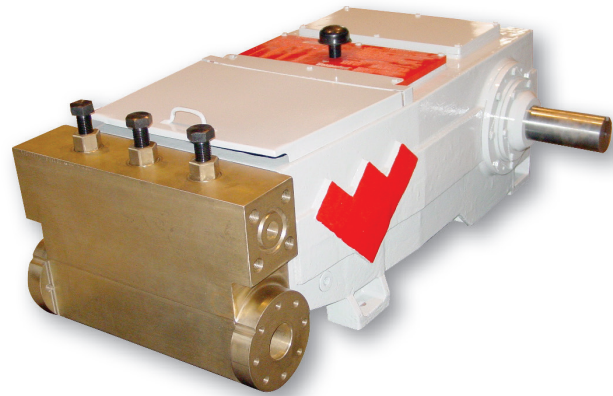
W130 Triplex Pump

Pump Specifications

Rated (HP, kW)	130	97
Stroke length (in., mm)	4	102
Maximum discharge pressure (PSI, Bar)		
W130H	5,000	345
W130M	3,110	214
W130L	1,750	121
Rated rod load (lb, kg)	8,590	3,896
API-674 speed, RPM	350	
Maximum speed, RPM	450	
Minimum speed, RPM	150	
Crankshaft dimensions (in., mm)		
Diameter	3.75	95
Length (both sides)	8.31	211
Keyway, width × depth (in., mm)	.875 × .438	22 × 11
Oil capacity (gal, l)		
Pump	5.5	20.8
Reducer	3.0	11.4
Weight (lb, kg); estimates only		
Pump		
W130H	3,260	1,479
W130M	3,160	1,433
W130L	3,210	1,456
Reducer	500	227
Mechanical efficiency	90%	

Flange Connections

Pump Model	Discharge Connection Sizes (in., mm)	Suction Connection Sizes (in., mm)
W130H	1.5 (38.1) ANSI 2500 RJ	3 (76.2) ANSI 300 FF
W130M	1.5 (38.1) API 5000 RJ	3 (76.2) ANSI 150 FF
W130L	2.5 (63.5) API 2000 RJ	5 (127) ANSI 150 FF



Standard Equipment

- Cast aluminum-bronze, forged duplex stainless steel, or forged carbon steel fluid ends
- Aluminum-bronze or duplex stainless steel stuffing boxes
- Various valve designs offered per fluid end style
- Tungsten carbide coated plungers over stainless steel base or solid ceramic plungers
- Double extended crankshaft
- Multiple plunger packing arrangements offered

Optional Accessories

- Weatherford bolt on gear reducers (ratios)
 - 2.61:1
 - 3.15:1
 - 3.42:1
 - 3.89:1
 - 4.27:1
 - 5.23:1
- Packing lubricators
- Customized plunger packing arrangements
- Complete pump packages

Technical Support

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W130 Triplex Pump Performance Ratings

Model (standard)	Plunger Diameter (in.)	GPM Per RPM	Rated Pressure PSI	150 RPM		250 RPM		300 RPM		350 RPM*		400 RPM		450 RPM	
				GPM	BPD	GPM	BPD	GPM	BPD	GPM	BPD	GPM	BPD	GPM	BPD
W130H	1.375	0.0771	5,000	11.6	397	19.3	661	23.1	793	27.0	926	30.9	1,058	34.7	1,190
	1.500	0.0918	4,860	13.8	472	22.9	787	27.5	944	32.1	1,102	36.7	1,295	41.3	1,416
	1.625	0.1077	4,140	16.2	554	26.9	923	32.3	1,108	37.7	1,293	43.1	1,479	48.5	1,662
	1.750	0.1249	3,570	18.7	643	31.2	1,071	37.5	1,285	43.7	1,499	50.0	1,714	56.2	1,928
W130M	1.875	0.1434	3,110	21.5	738	35.9	1,229	43.0	1,475	50.2	1,721	57.4	1,967	64.5	2,213
	2.000	0.1632	2,730	24.5	839	40.8	1,399	49.0	1,679	57.1	1,958	65.3	2,238	73.4	2,518
	2.125	0.1842	2,420	27.6	948	46.1	1,579	55.3	1,895	64.5	2,211	73.7	2,527	82.9	2,843
	2.250	0.2065	2,160	31.0	1,062	51.6	1,770	62.0	2,125	72.3	2,479	82.6	2,833	92.9	3,187
	2.375	0.2301	1,940	34.5	1,184	57.5	1,973	69.0	2,367	80.5	2,762	92.1	3,156	103.6	3,551
W130L	2.500	0.2550	1,750	38.2	1,311	63.7	2,186	76.5	2,623	89.2	3,060	102.0	3,497	114.7	3,934
	2.625	0.2811	1,590	42.2	1,446	70.3	2,410	84.3	2,892	98.4	3,374	112.5	3,856	126.5	4,338
	2.750	0.3085	1,450	46.3	1,587	77.1	2,645	92.6	3,174	108.0	3,703	123.4	4,232	138.8	4,760
	3.000	0.3672	1,220	55.1	1,888	91.8	3,147	110.2	3,777	128.5	4,406	146.9	5,036	165.2	5,665
	3.250	0.4309	1,040	64.6	2,216	107.7	3,694	129.3	4,433	150.8	5,171	172.4	5,910	193.9	6,649
	3.500	0.4998	890	75.0	2,570	124.9	4,284	149.9	5,141	174.9	5,998	199.9	6,854	224.9	7,711
	3.625	0.5361	830	80.4	2,757	134.0	4,595	160.8	5,515	187.6	6,434	214.5	7,353	241.3	8,272

Model (metric)	Plunger Diameter (in.)	LPM Per RPM	Maximum Pressure BAR	150 RPM		250 RPM		300 RPM		350 RPM*		400 RPM		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
W130H	1.375	0.2920	345	43.8	2.6	73.0	4.4	87.6	5.3	102.2	6.1	116.8	7.0	131.4	7.9
	1.500	0.3475	335	52.1	3.1	86.9	5.2	104.2	6.3	121.6	7.3	139.0	8.3	156.4	9.4
	1.625	0.4078	285	61.2	3.7	101.9	6.1	122.3	7.3	142.7	8.6	163.1	9.8	186.5	11.0
	1.750	0.4729	246	70.9	4.3	118.2	7.1	141.9	8.5	165.5	9.9	189.2	11.4	212.8	12.8
W130M	1.875	0.5429	214	81.4	4.9	135.7	8.1	162.9	9.8	190.0	11.4	217.2	13.0	244.3	14.7
	2.000	0.6177	188	92.7	5.6	154.4	9.3	185.3	11.1	216.2	13.0	247.1	14.8	278.0	16.7
	2.125	0.6973	167	104.6	6.3	174.3	10.5	209.2	12.6	244.1	14.6	278.9	16.7	313.8	18.8
	2.250	0.7818	149	117.3	7.0	195.4	11.7	234.5	14.1	273.6	16.4	312.7	18.8	351.8	21.1
	2.375	0.8711	134	130.7	7.8	217.8	13.1	261.3	15.7	304.9	18.3	348.4	20.9	392.0	23.5
W130L	2.500	0.9652	121	144.8	8.7	241.3	14.5	289.6	17.4	337.8	20.3	386.1	23.2	434.3	26.1
	2.625	1.0641	109	159.6	9.6	266.0	16.0	319.2	19.2	372.4	22.3	425.6	25.5	478.8	28.7
	2.750	1.1679	100	175.2	10.5	292.0	17.5	350.4	21.0	408.8	24.5	467.1	28.0	525.5	31.5
	3.000	1.3898	84	208.5	12.5	347.5	20.8	417.0	25.0	486.4	29.2	555.9	33.4	625.4	37.5
	3.250	1.6311	71	244.7	14.7	407.8	24.5	489.3	29.4	570.9	34.3	652.5	39.1	734.0	44.0
	3.500	1.8917	62	283.8	17.0	472.9	28.4	567.5	34.1	662.1	39.7	756.7	45.4	851.3	51.1
	3.625	2.0293	57	304.4	18.3	507.3	30.4	608.8	36.5	710.2	42.6	811.7	48.7	913.2	54.8

*API Speed

General Notes

- Capacities shown are based on 100 percent volumetric efficiency. Actual capacities are lower, based on discharge pressure and fluid compressibility.
- API-674 and NACE-compliant designs are available; consult Weatherford for details and exceptions to these standards.
- For operation below 200 RPM, an auxiliary lubrication system is required.
- Standard plunger sizes are shown, however other sizes are available upon request.