

## 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	200*	
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%	

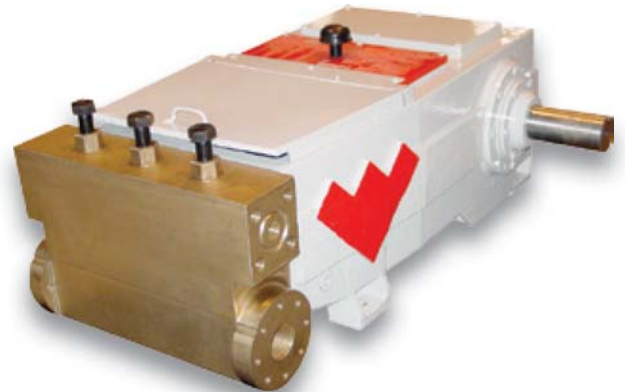
\* can be reduced to 50 rpm with the addition of an auxiliary lube (slow speed) kit

### 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

### Applications

- Amine gas sweetening
- Methanol injection
- Water injection
- Chemical injection
- Glycol gas dehydration
- Light hydrocarbon transportation
- Crude transfer
- Polymer flood
- Produced water disposal
- Steam boiler feed
- Hydrostatic testing
- Ammonia
- Horizontal directional drilling
- Hot-oil truck injection



### 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
- Packing lubricators
- Customized plunger packing arrangements
- Complete pump packages
- Ported stuffing boxes and leak detection systems offered for H<sub>2</sub>S or light fluids
- An internal or external auxiliary lube kit (slow speed kit) allows pump to be turned down to 50 rpm and is required for speeds below 200 rpm.



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### Performance Ratings

Model (standard)	Plunger Diameter (in.)	Gallons Per Revolution	Rated Pressure PSI	200 RPM		250 RPM		300 RPM		350 RPM* API 674		400 RPM		450 RPM	
				GPM	BPD	GPM	BPD	GPM	BPD	GPM	BPD	GPM	BPD	GPM	BPD
W130H	1.375	0.0771	5,000	15.4	529	19.3	661	23.1	793	27.0	926	30.9	1,058	34.7	1,190
	1.500	0.0918	4,860	18.3	648	22.9	787	27.5	944	32.1	1,102	36.7	1,295	41.3	1,416
	1.625	0.1077	4,140	21.5	740	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	25.0	857	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	28.7	984	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	32.6	1,119	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	36.8	1,264	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	41.3	1,416	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	46.0	1,578	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	51.0	1,748	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	56.2	1,928	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	61.7	2,116	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	73.4	2,518	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	86.2	2,955	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	99.9	3,427	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	107.2	3,676	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.)	Litres Per Revolution	Maximum Pressure BAR	200 RPM		250 RPM		300 RPM		350 RPM* API 674		400 RPM		450 RPM	
				LPM	M <sup>3</sup> /hr	LPM	M <sup>3</sup> /hr	LPM	M <sup>3</sup> /hr	LPM	M <sup>3</sup> /hr	LPM	M <sup>3</sup> /hr	LPM	M <sup>3</sup> /hr
W130H	1.375	0.2920	345	58.4	3.5	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	69.5	4.1	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	81.5	4.9	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	94.6	5.7	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	108.6	6.5	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	123.5	7.4	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	139.4	8.3	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	156.3	9.4	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	174.2	10.4	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	193.0	11.6	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	212.8	12.7	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	233.5	14.0	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	277.9	16.7	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	326.2	19.5	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	378.3	22.7	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	405.8	24.3	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 internal or external auxiliary lubrication system is required.
- Standard plunger sizes are shown, however other sizes are available upon request.