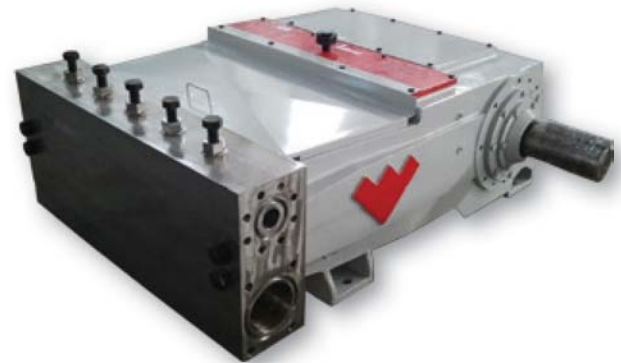


W375 Quintuplex Pump

Pump Specifications

Rated (HP, kW)	415	309
Stroke length (in., mm)	5	127
Maximum discharge pressure (PSI, Bar)		
W375H	5,000	345
W375M	3,020	208
W375L	1,660	114
Rated rod load (lb, kg)	14,838	6,730
API-674 speed, RPM	310	
Maximum speed, RPM	400	
Minimum speed, RPM	50	
Crankshaft dimensions (in., mm)		
Diameter	4.875	124
Length (long)	11.69	297
Length (short)	5.62	143
Keyway, width × depth (in., mm)	1.25 × .62	32 × 16
Oil capacity (gal, l)		
Pump	12	46
Reducer (varies with ratio)	3.5 to 6.5	13 to 25
Weight (lb, kg); estimates only		
Pump		
W375H	7,010	3,186
W375M	7,060	3,209
W375L	7,150	3,250
Reducer	1,100	499
Mechanical efficiency	90%	



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
- Internal or external auxiliary lube kit (slow speed kit)

Flange Connections

Pump Model	Discharge Connection Sizes (in., mm)	Suction Connection Sizes (in., mm)
W375H	2 (50.8) ANSI 2500 RJ	6 (152.4) NSD 600 RJ*
W375M	3 (76.2) NSD 5000 RJ*	6 (152.4) NSD 600 RJ*
W375L	4 (101.6) API 2000 RJ	8 (203.2) ANSI 150 FF

*One blind and one weld neck flange provided

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

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 H₂S or light fluids

W375 Quintuplex Pump

Performance Ratings

Model (standard)	Plunger Diameter (in.)	Gallons Per Revolution	Maximum Pressure PSI	50 RPM		150 RPM		200 RPM		310 RPM*(API 674)		350 RPM		400 RPM	
				GPM	BPD	GPM	BPD	GPM	BPD	GPM	BPD	GPM	BPD	GPM	BPD
W375H	1.875	0.2988	5,000	14.9	512	44.8	1,537	59.8	2,049	92.6	3,176	104.6	3,586	119.5	4,098
	2.000	0.3400	4,720	17.0	583	51.0	1,749	68.0	2,331	105.4	3,614	119.0	4,080	136.0	4,663
	2.125	0.3838	4,180	19.2	658	57.6	1,974	76.8	2,632	119.0	4,080	134.3	4,606	153.5	5,264
	2.250	0.4303	3,730	21.5	738	64.5	2,213	86.1	2,951	133.4	4,574	150.6	5,164	172.1	5,901
W375M	2.500	0.5312	3,020	26.5	910	79.7	2,732	106.2	3,643	164.7	5,646	185.9	6,375	212.5	7,286
	2.750	0.6428	2,500	32.1	1,102	96.4	3,306	128.6	4,408	199.3	6,832	225.0	7,714	257.1	8,816
	3.000	0.7650	2,100	38.2	1,312	114.7	3,934	153.0	5,246	237.1	8,131	267.7	9,180	306.0	10,491
	3.250	0.8978	1,790	44.8	1,539	134.7	4,617	179.6	6,156	278.3	9,542	314.2	10,774	359.1	12,313
W375L	3.375	0.9682	1,660	48.4	1,660	145.2	4,979	193.6	6,639	300.1	10,291	338.9	11,618	387.3	13,278
	3.500	1.0412	1,540	52.0	1,785	156.2	5,355	208.2	7,140	322.8	11,067	364.4	12,495	416.5	14,280
	3.750	1.1953	1,340	59.7	2,049	179.3	6,147	239.1	8,196	370.5	12,704	418.4	14,344	478.1	16,393
	4.000	1.3600	1,180	68.0	2,332	204.0	6,994	272.0	9,326	421.6	14,455	476.0	16,320	544.0	18,651
	4.250	1.5353	1,050	76.7	2,632	230.3	7,896	307.1	10,528	475.9	16,318	537.4	18,424	614.1	21,056
	4.500	1.7212	930	86.0	2,950	258.2	8,852	344.2	11,803	533.6	18,294	602.4	20,655	688.5	23,606

Model (metric)	Plunger Diameter (in.)	Litres Per Revolution	Maximum Pressure BAR	50 RPM		150 RPM		200 RPM		310 RPM*(API 674)		350 RPM		400 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
W375H	1.875	1.1311	370	56.5	3.4	169.7	10.2	226.2	13.6	350.6	21.0	395.9	23.8	452.4	27.1
	2.000	1.2869	325	64.3	3.8	193.0	11.6	257.4	15.4	398.9	23.9	450.4	27.0	514.8	30.9
	2.125	1.4528	288	72.6	4.4	217.9	13.1	290.6	17.4	450.4	27.0	508.5	30.5	581.1	34.9
	2.250	1.6287	257	81.4	4.9	244.3	14.7	325.7	19.5	504.9	30.3	570.1	34.2	651.5	39.1
W375M	2.500	2.0108	208	100.5	6.0	301.6	18.1	402.2	24.1	623.3	37.4	703.8	42.2	804.3	48.3
	2.750	2.4330	172	121.6	7.3	365.0	21.9	486.6	29.2	754.2	45.3	851.6	51.1	973.2	58.4
	3.000	2.8955	145	144.8	8.7	434.3	26.1	579.1	34.7	897.6	53.9	1,013.4	60.8	1,158.2	69.5
	3.250	3.3982	123	169.9	10.2	509.7	30.6	679.6	40.8	1,053.4	63.2	1,189.4	71.4	1,359.3	81.6
W375L	3.375	3.6646	114	183.2	11.0	549.7	33.0	732.9	44.0	1,136.0	68.2	1,282.6	77.0	1,465.9	88.0
	3.500	3.9411	106	197.0	11.8	591.2	35.5	788.2	47.3	1,221.7	73.3	1,379.4	82.8	1,576.4	94.6
	3.750	4.5242	93	226.2	13.5	678.6	40.7	904.8	54.3	1,402.5	84.2	1,583.5	95.0	1,809.7	108.6
	4.000	5.1476	81	257.4	15.4	772.1	46.3	1,029.5	61.8	1,595.8	95.7	1,801.7	108.1	2,059.0	123.5
	4.250	5.8111	72	290.5	17.4	871.7	52.3	1,162.2	69.7	1,801.5	108.1	2,033.9	122.0	2,324.5	139.5
	4.500	6.5149	64	325.7	19.5	977.2	58.6	1,303.0	78.2	2,019.6	121.2	2,280.2	136.8	2,606.0	156.4

*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.
- Standard plunger sizes are shown, however other sizes are available upon request.