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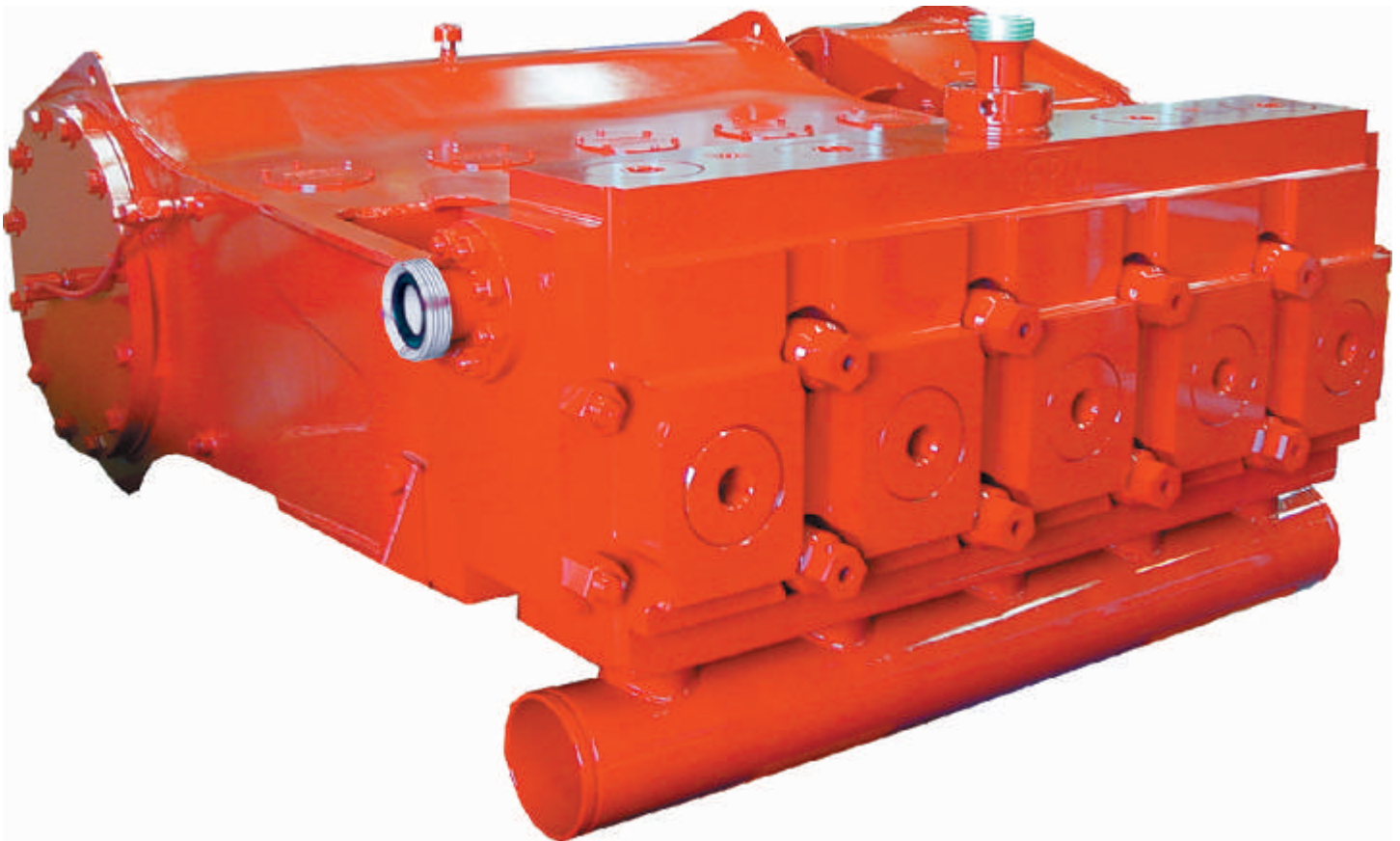


## QWS 3500 Well Service Pump

**The QWS 3500 is the most powerful well service pump available on the market and is designed to reduce the number of units required during fracturing operations.**

The QWS 3500 well service pump was designed to reduce the number of units required during fracturing operations, thus lowering production costs for the customer. The QWS 3500 is a heavy duty pump utilizing a side mount gear reducer and bolt through fluid cylinder for extended product life.

This pump is available for use in a variety of pumping operations. No other pump in the industry can match the output capabilities of the QWS 3500 well service pump.



### QWS 3500 Performance Specs

Max Brake Horsepower: 3,500 BHP (2,609 Kw)  
 Max Rod Load Capacity: 260,000 lb (117,934 kg)  
 Stroke Length: 10 Inches (254 mm)  
 Gear Ratio: 7.091 : 1

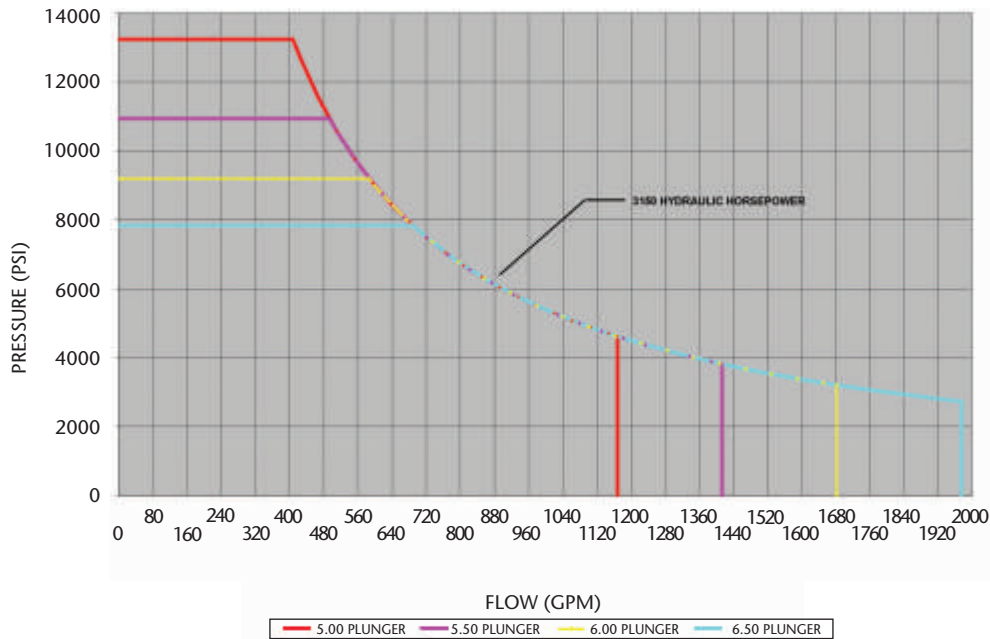
Approx. Length: 94 Inches (2,388 mm)  
 Approx. Width: 108 Inches (2,743 mm)  
 Approx. Height: 36 Inches (914 mm)  
 Approx. Weight (Dry): 24,000 lb (10,866 kg)

### QWS 3500 Performance Data <sup>1, 2</sup>

PLUNGER DIAMETER	DISPLAC. PER REV	DISPLACEMENT AT PUMP STROKES PER MINUTE / PINION RPM											
		50 / 355		75 / 532		96 / 680		150 / 1064		200 / 1418		275 / 1950	
in (mm)	gal/rev (liter/rev)	gpm (lpm)	psi (kg/cm <sup>2</sup> )	gpm (lpm)	psi (kg/cm <sup>2</sup> )	gpm (lpm)	psi (kg/cm <sup>2</sup> )	gpm (lpm)	psi (kg/cm <sup>2</sup> )	gpm (lpm)	psi (kg/cm <sup>2</sup> )	gpm (lpm)	psi (kg/cm <sup>2</sup> )
4 (101.5)	2.72 (10.3)	136 (515)	20,690 (1458)	204 (772)	20,690 (1458)	261 (988)	20,690 (1458)	408 (1544)	13,233 (933)	544 (2059)	9,925 (699)	748 (2831)	7,218 (509)
4½ (114.3)	3.44 (13.0)	172 (651)	16,348 (1152)	258 (977)	16,346 (1152)	330 (1250)	16,346 (1152)	516 (1954)	10,456 (737)	688 (2606)	7,842 (553)	947 (3583)	5,703 (402)
5 (127.0)	4.25 (16.1)	212 (804)	13,242 (933)	319 (1206)	13,242 (933)	408 (1543)	13,242 (933)	637 (2413)	8,469 (597)	850 (3217)	6,352 (448)	1,169 (4424)	4,620 (326)
5½ (139.7)	5.14 (19.5)	257 (973)	10,944 (771)	386 (1460)	10,944 (771)	493 (1867)	10,944 (771)	771 (2920)	6,999 (493)	1,028 (3893)	5,250 (370)	1,414 (5353)	3,818 (269)
6 (152.4)	6.12 (23.2)	306 (1158)	9,196 (648)	459 (1737)	9,196 (648)	587 (2222)	9,196 (648)	918 (3475)	5,881 (414)	1,224 (4633)	4,411 (311)	1,683 (6370)	3,208 (226)
6½ (165.1)	7.18 (27.2)	359 (1359)	7,835 (552)	539 (2039)	7,835 (552)	689 (2608)	7,835 (552)	1,077 (4078)	5,011 (353)	1,436 (5437)	3,759 (265)	1,975 (7476)	2,733 (193)
7 (177.8)	8.33 (31.5)	416 (1576)	6,756 (476)	625 (2365)	6,756 (476)	799 (3025)	6,756 (476)	1,249 (4729)	4,321 (305)	1,666 (6306)	3,241 (228)	2,291 (8670)	2,357 (166)
INPUT POWER: BHP (Kw)		1824 (1361)		2736 (2042)		3500 (2612)		3500 (2612)		3500 (2612)		3500 (2612)	

1 Based on 90% ME and 100% VE - Intermittent Service Only.  
 2 For applications demanding pressures over 15,000 psi, contact Weir SPM Engineering.

### QWS 3500 Hydraulic Horsepower Curve



Note: This chart shows this pump's performance at max hydraulic horsepower. Notice as the plunger size for the pump increases, a greater max flow rate is achieved while the max pressure decreases.

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