

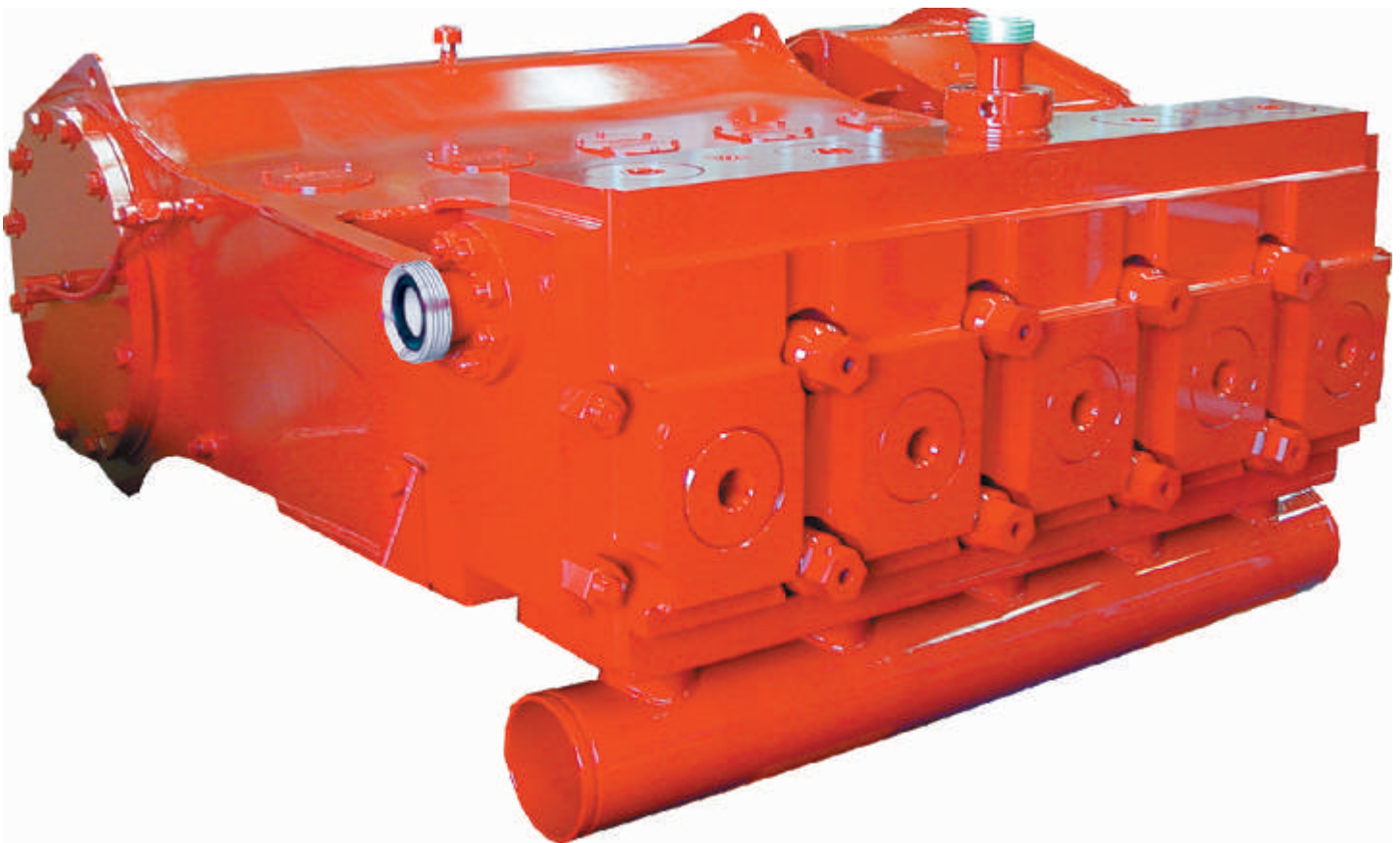


QWS 3500 Well Service Pump

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

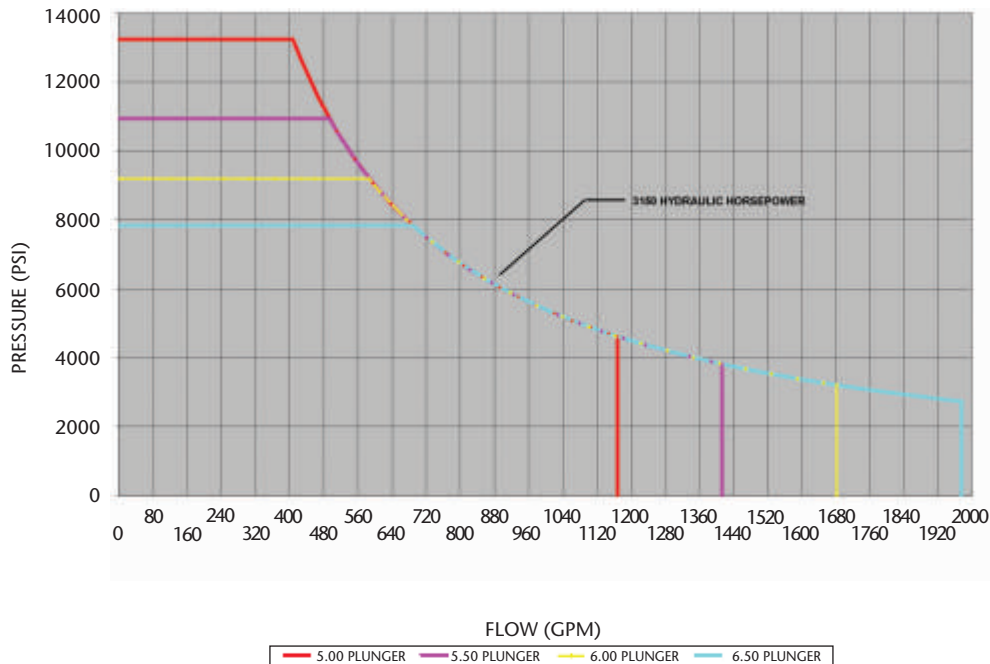
Approx. Length: 94 Inches (2,388 mm)
 Approx. Width: 108 Inches (2,743 mm)
 Approx. Height: 36 Inches (914 mm)
 Approx. Weight (Dry): 24,000 lb (10,866 kg)

QWS 3500 Performance Data ^{1, 2}

PLUNGER DIAMETER	DISPLACEMENT 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 ²)	gpm (lpm)	psi (kg/cm ²)	gpm (lpm)	psi (kg/cm ²)	gpm (lpm)	psi (kg/cm ²)	gpm (lpm)	psi (kg/cm ²)	gpm (lpm)	psi (kg/cm ²)
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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