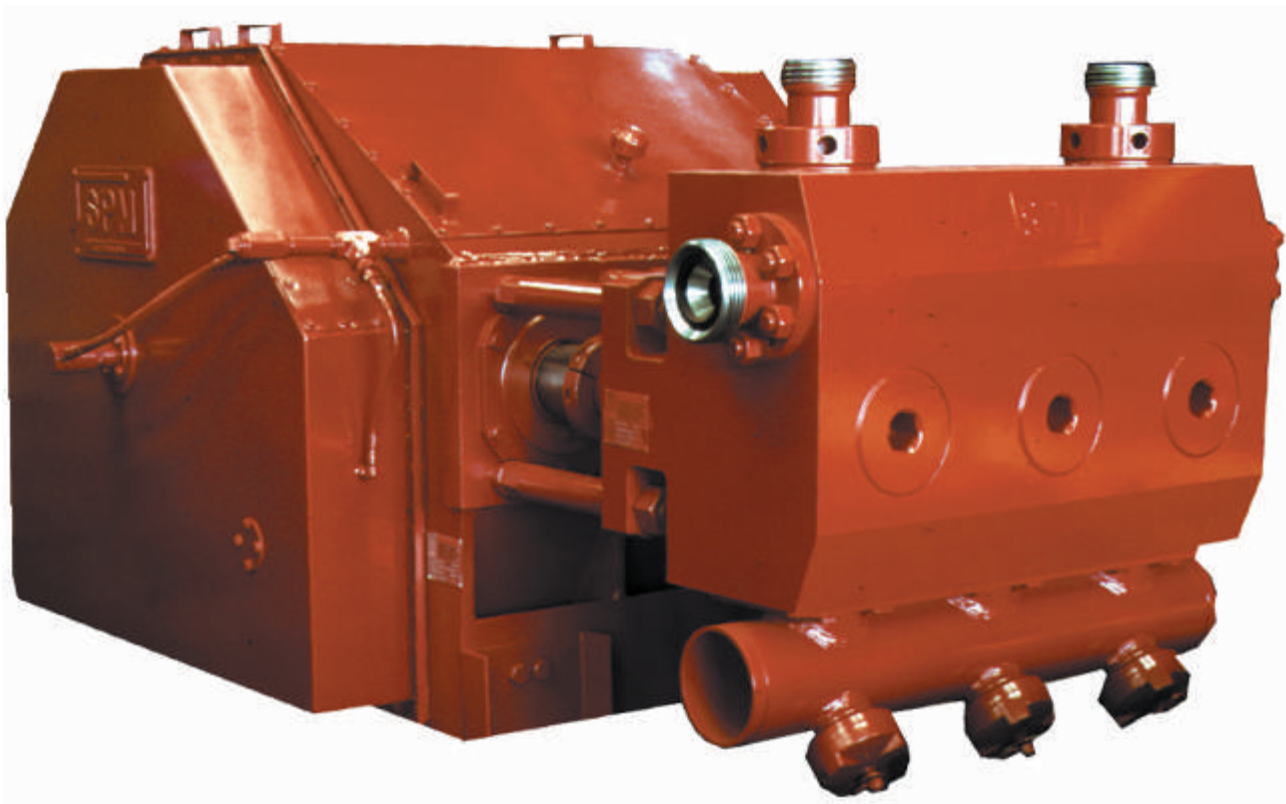




TWS 2250HD Well Service Pump

The TWS 2250HD is a high-powered triplex plunger pump design. The pump has undergone extensive testing and analysis following continual product improvement initiatives resulting in a greater rod load capacity compared to its previous version. The TWS 2250HD is available in multiple plunger sizes offering impressive flow rate as well as high pressure potential and can be customized with various features to be utilized in a variety of pumping operations.



TWS 2250HD Performance Specs

Max Brake Horsepower: 2,250 BHP (1,641 Kw)
 Max Rod Load Capacity: 238,570 lbf (108,214 kg)
 Stroke Length: 8 Inches (203.2 mm)
 Gear Ratio: 6.353 : 1

Approx. Length: 89.8 Inches (2,280 mm)
 Approx. Width: 59.8 Inches (1,518 mm)
 Approx. Height: 44.3 Inches (1,124 mm)
 Approx. Weight (Dry): 11,750 lb (5,329.7 kg)

TWS 2250HD Performance Data^{1, 2}

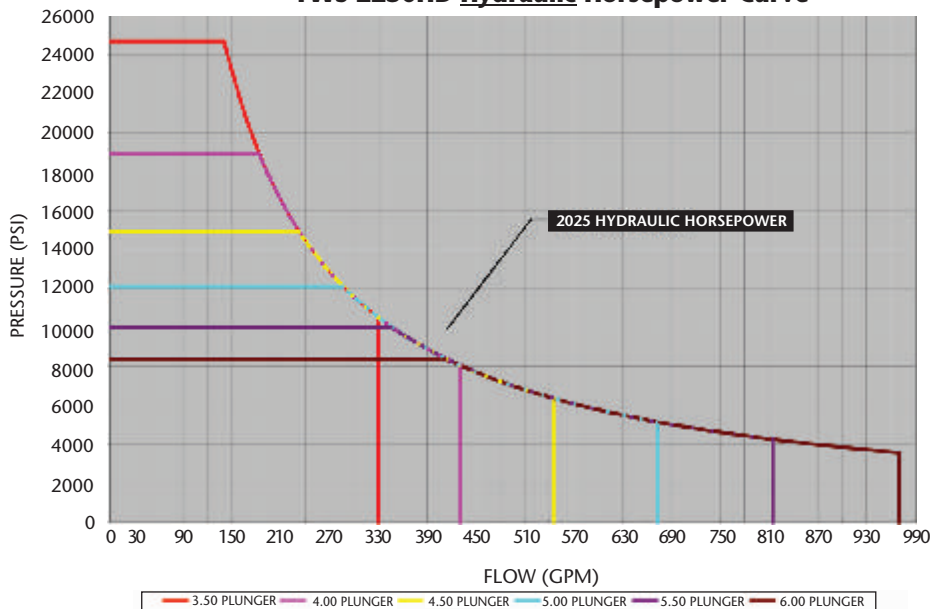
Pump dimensions are approximate. For full detailed drawings, please contact Weir SPM Engineering.

PLUNGER DIAMETER	OUTPUT PER REV gal/rev (liter/rev)	DISPLACEMENT AT PUMP STROKES PER MINUTE / PINION RPM											
		75 / 476		115 / 731		148 / 943		200 / 1271		300 / 1906		330 / 2096	
in (mm)		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)
3½ (88.9)	1.00 (3.8)	75 (284)	24,796 (1747)	115 (435)	24,796 (1747)	148 (562)	23,390 (1648)	200 (757)	17,361 (1223)	300 (1135)	11,574 (816)	330 (1249)	10,522 (742)
3¾ (95.3)	1.15 (4.3)	86 (326)	21,600 (1522)	132 (499)	21,600 (1522)	170 (645)	20,375 (1436)	229 (869)	15,124 (1066)	344 (1303)	10,082 (711)	379 (1433)	9,166 (646)
4 (101.6)	1.31 (4.9)	98 (371)	18,985 (1338)	150 (568)	18,985 (1338)	194 (734)	17,908 (1262)	261 (988)	13,292 (937)	392 (1483)	8,861 (624)	431 (1631)	8,056 (568)
4½ (114.3)	1.65 (6.3)	124 (469)	15,000 (1057)	190 (719)	15,000 (1057)	245 (928)	14,150 (997)	330 (1251)	10,502 (740)	496 (1876)	7,002 (493)	545 (2064)	6,365 (449)
5 (127.0)	2.04 (7.7)	153 (579)	12,150 (856)	235 (888)	12,150 (856)	303 (1146)	11,461 (808)	408 (1544)	8,507 (600)	612 (2316)	5,671 (400)	673 (2548)	5,156 (363)
5½ (139.7)	2.47 (9.3)	185 (701)	10,042 (708)	284 (1074)	10,042 (708)	366 (1387)	9,472 (668)	494 (1869)	7,031 (495)	741 (2803)	4,687 (330)	815 (3083)	4,261 (300)
5¾ (146.1)	2.70 (10.2)	202 (766)	9,187 (647)	310 (1174)	9,187 (647)	401 (1516)	8,666 (611)	540 (2042)	6,433 (453)	809 (3063)	4,288 (302)	890 (3370)	3,898 (275)
6 (152.4)	2.94 (11.1)	220 (834)	8,438 (595)	338 (1279)	8,438 (595)	436 (1651)	7,959 (561)	588 (2224)	5,908 (416)	881 (3336)	3,938 (278)	969 (3669)	3,580 (252)
6½ (165.1)	3.45 (13.0)	259 (979)	7,190 (507)	396 (1501)	7,190 (507)	512 (1937)	6,782 (478)	690 (2610)	5,034 (355)	1,034 (3915)	3,356 (236)	1,138 (4306)	3,051 (215)
6¾ (171.5)	3.72 (14.1)	279 (1055)	6,667 (470)	428 (1618)	6,667 (470)	552 (2089)	6,289 (443)	744 (2814)	4,668 (329)	1,115 (4222)	3,112 (219)	1,227 (4644)	2,829 (199)
7 (177.8)	4.00 (15.1)	300 (1135)	6,199 (437)	460 (1740)	6,199 (437)	594 (2247)	5,848 (412)	800 (3027)	4,340 (306)	1,200 (4540)	2,894 (204)	1,319 (4994)	2,630 (185)
7½ (190.5)	4.59 (17.4)	344 (1303)	5,400 (381)	528 (1998)	5,400 (381)	681 (2579)	5,094 (359)	918 (3475)	3,781 (266)	1,377 (5212)	2,521 (178)	1,515 (5733)	2,291 (161)
INPUT POWER: BHP (Kw)		1205 (899)		1848 (1379)		2250 (1679)		2250 (1679)		2250 (1679)		2250 (1679)	

1 Based on 90% ME and 100% VE - Intermittent Service Only.

2 Pumps with pressures in excess of 15,000 psi require special gauge and discharge flanges. Contact Weir SPM Engineering.

TWS 2250HD 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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