



TWS 600S Well Service Pump

Excellent
Oil & Gas
Solutions

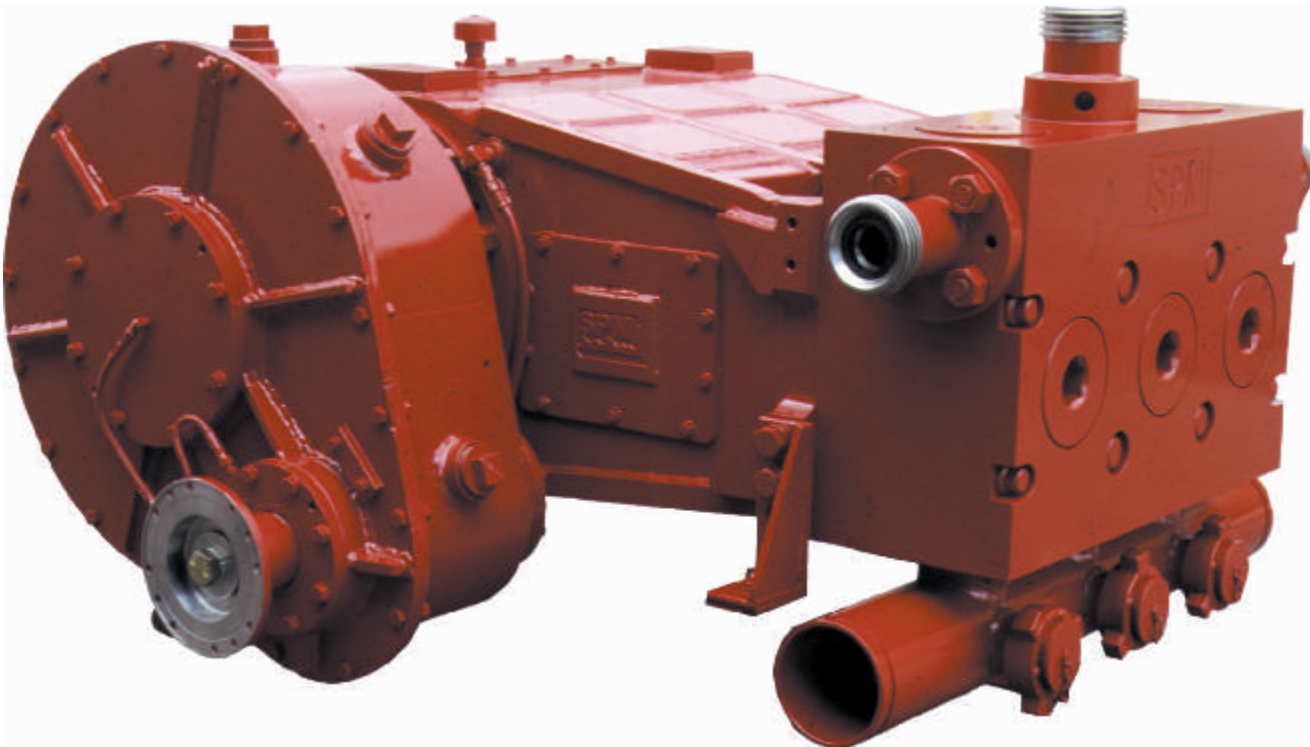


The TWS 600S is a versatile pump featuring a patented design, which can be utilized in a back-to-back configuration.

A patented feature unique to the TWS 600S pump is its offset crankshaft / crosshead design which substantially reduces the load on both the crosshead and crosshead guides, as well as the main roller bearings supporting the crankshaft.

With this patented offset, the pump develops a lower connecting rod angle on the power stroke. The result is reduced wear between the crosshead and the guide, increasing product life.

The TWS 600S can be utilized in acidizing, cementing, gravel packing and snubbing operations.



TWS 600S Performance Specs

Max Brake Horsepower: 600 BHP (447 Kw)
 Max Rod Load Capacity: 100,000 lb (43,360 kg)
 Stroke Length: 6 Inches (152.4 mm)
 Gear Ratio: 4.61 : 1

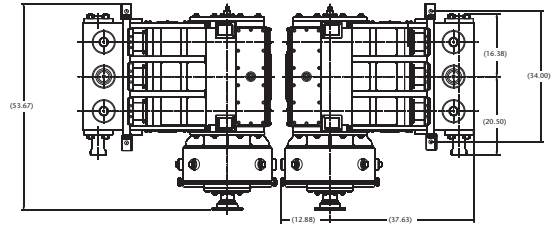
Approx. Length: 50.25 Inches (1,276 mm)
 Approx. Width: 52.93 Inches (1,344 mm)
 Approx. Height: 23.88 Inches (607 mm)
 Approx. Weight (Dry): 4,940 lb (2,240 kg)

TWS 600S Performance Data ^{1, 2}

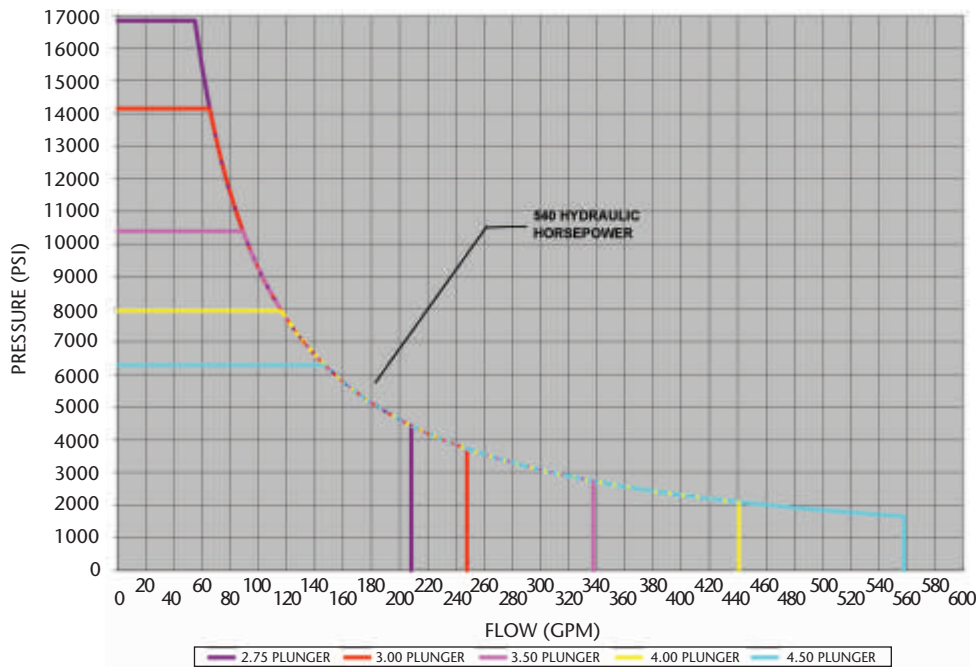
PLUNGER DIAMETER	OUTPUT PER REV	DISPLACEMENT AT PUMP STROKES PER MINUTE / PINION RPM									
		50 / 230		120 / 552		200 / 920		300 / 1380		450 / 2070	
in (mm)	gal/rev (liter/rev)	gpm (lpm)	psi (kg/cm ²)	gpm (lpm)	psi (kg/cm ²)	gpm (lpm)	psi (kg/cm ²)	gpm (lpm)	psi (kg/cm ²)	gpm (lpm)	psi (kg/cm ²)
2½ (63.5)	.38 (1.4)	19 (72)	20,372 (1436)	46 (174)	20,165 (1421)	76 (290)	12,099 (853)	115 (434)	8,066 (568)	172 (651)	5,377 (379)
2¾ (69.9)	.46 (1.8)	23 (87)	16,836 (1186)	56 (210)	16,665 (1174)	93 (350)	9,999 (705)	139 (526)	6,666 (470)	208 (788)	4,444 (313)
3 (76.2)	.55 (2.1)	28 (104)	14,147 (997)	66 (250)	14,003 (987)	110 (417)	8,402 (592)	165 (625)	5,601 (395)	248 (938)	3,734 (263)
3½ (88.9)	.75 (2.8)	37 (142)	10,394 (732)	90 (341)	10,288 (725)	150 (568)	6,173 (435)	225 (851)	4,115 (290)	337 (1277)	2,744 (193)
4 (101.6)	.98 (3.7)	49 (185)	7,958 (561)	118 (445)	7,877 (555)	196 (741)	4,726 (333)	294 (1112)	3,151 (222)	441 (1668)	2,100 (148)
4½ (114.3)	1.24 (4.7)	62 (235)	6,288 (443)	149 (563)	6,224 (439)	248 (938)	3,734 (263)	372 (1407)	2,489 (175)	558 (2111)	1,660 (117)
INPUT POWER: BHP (Kw)		253 (188)		600 (448)		600 (448)		600 (448)		600 (448)	

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

TWS 600S Back-to-Back Layout



TWS 600S 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.

Weir SPM

7601 Wyatt Drive
 Fort Worth
 TX 76108
 USA

Tel: (817) 246 2461
 Fax (817) 246 6324

www.weiroilandgas.com

