

# Triplex Well Stimulation Pump

PRELIMINARY

# WS223

- 2250 bhp (1678 bkW) Input Power

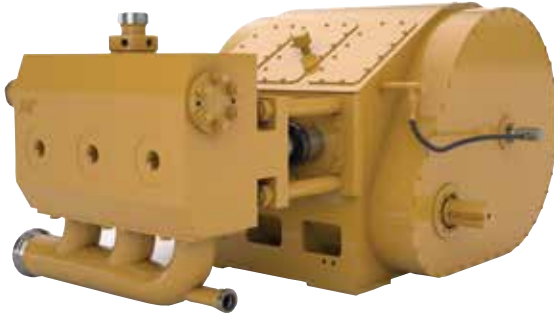


Image shown may not reflect actual pump configuration

## Specifications

Maximum Input.....	2250 bhp (1678 bkW)
Maximum rpm.....	330
Number of Plungers.....	3
Stroke Length.....	8 in (203.2 mm)
Maximum Rod Load.....	225,000 lb (102 058 kg)
Pump Weight.....	13,000 lb (5896.7 kg)
Gear Ratio.....	6.353:1

## Standard Features

### Fluid Ends

- Improved load balance and life of gears
- Industry standard footprint – ease of interchangeability
- Dimensionally compatible with industry standard 8" and 10" stroke power ends
- Valve-over-valve design simplifies valve, seat, and plunger installation
- Full line of 1502 discharge flanges – male, female, and blank
- Suction manifold options – Zoomie and log-style, and our innovative low-profile option
- Grooved and grooveless valve stop designs available, grooveless design eliminates stress risers present with a grooved valve stop design
- Plunger line – colmonoy 6 coating with a minimum hardness of 56 RC

- Standard and premium plunger packing available
- Polypak seals for more reliable sealing at suction cover and discharge flanges
- Fluid end components designed to maximize interchangeability across our fluid end line and with industry standard fluid ends

### Power Ends

- Industry standard footprint – fully interchangeable with competitors' pumps
- Reverse helical pinion and bull gear design – great reliability
- Fully welded structure with additional internal supports
- Two-piece stay rod design – pretensioned stay rod lowers cyclic loading and fatigue stress
- Nose plate-to-frame design includes a dovetail interlocking design, which increases the structural strength
- Forged or fabricated bull gears – no cast material
- Forged crankshaft – one piece

## WS223 Triplex Well Stimulation Duty Performance Ratings

Plunger Diameter		Displacement per Revolution		Displacement at Pump rpm									
				Well Stimulation and Intermittent Application									
				75/476		115/731		200/1271		300/1906		330/2096	
in	mm	Gal/Rev.	L/Rev.	gpm	psi	gpm	psi	gpm	psi	gpm	psi	gpm	psi
4.5	114.3	1.65	6.25	124	14 147	190	14 147	330	10 502	496	7002	545	6365
<b>Input Power (bhp)</b>				1137		1743		2250		2250		2250	

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

Pumps with pressures in excess of 15 000 psi require special gauge and discharge flanges.

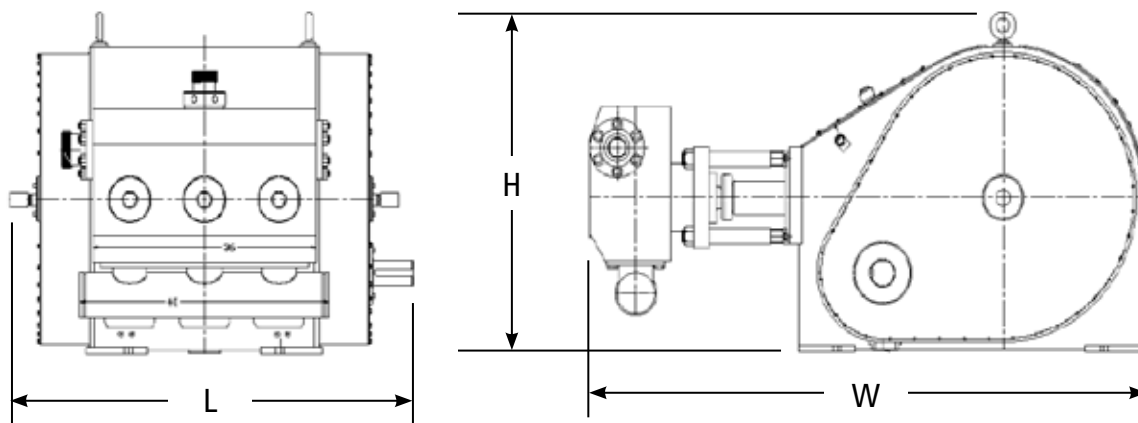


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## Triplex Well Stimulation Pump

2250 bhp (1678 bkW) Input Power

### Dimensions



<b>Length</b> .....	89.75 in (2280 mm)
<b>Width</b> .....	59.75 in (1518 mm)
<b>Height</b> .....	44.25 in (1124 mm)
<b>Weight</b> .....	13,000 lb (5896.7 kg)

### Performance Data

