

Quintuplex Well Stimulation Pump

PRELIMINARY

WS255

- 2500 bhp (1864 bkW) Input Power

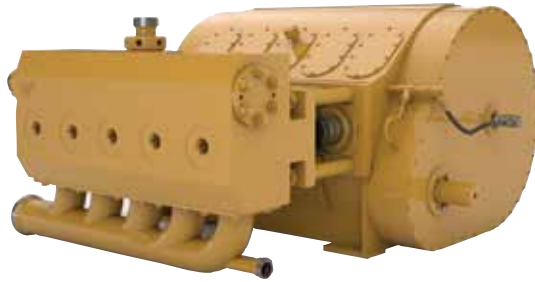


Image shown may not reflect actual pump configuration

Specifications

Maximum Input.....	2500 bhp (1864 bkW)
Maximum rpm.....	330
Number of Plungers.....	5
Stroke Length.....	8 in (203.2 mm)
Maximum Rod Load.....	192,325 lb (87 237 kg)
Pump Weight.....	16,000 lb (7257 kg)
Gear Ratio.....	6.353:1

Standard Features

Fluid Ends

- Dimensionally compatible with industry standard 8" 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

WS255 Quintuplex Well Stimulation Duty Performance Ratings

Plunger Diameter		Displacement per Revolution		Displacement at Pump rpm									
				Well Stimulation and Intermittent Application									
				111/705		150/953		200/1271		250/1588		330/2100	
in	mm	Gal/Rev.	L/Rev.	gpm	psi	gpm	psi	gpm	psi	gpm	psi	gpm	psi
4	101.6	2.17	8.21	241	15 315	326	11 830	434	8886	543	7102	716	5386
4.5	114.3	2.75	10.40	305	12 100	413	9338	550	7012	688	5605	908	4247
5	127.0	3.40	12.87	377	9800	510	7562	680	5671	850	4537	1122	3437
Input Power (bhp)				2400		2500		2500		2500		2500	

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.

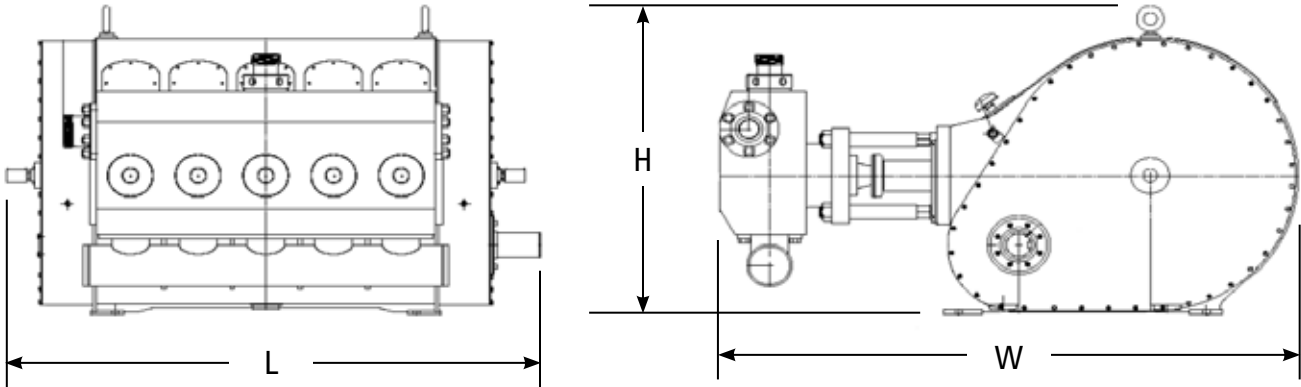


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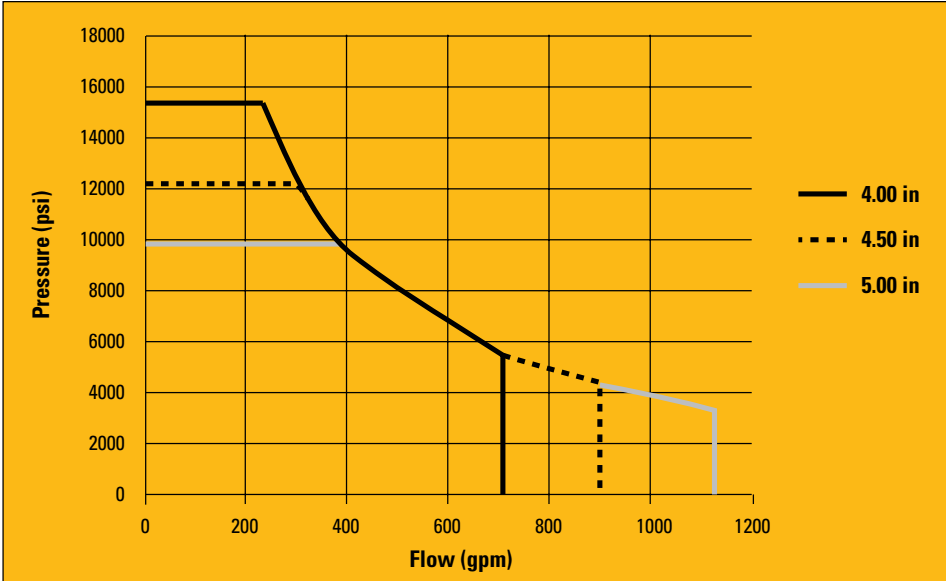
2500 bhp (1864 bkW) Input Power

Dimensions



Length	84.75 in (2153 mm)
Width	74 in (1880 mm)
Height	44 in (1118 mm)
Weight	16,000 lb (7257 kg)

Performance Data



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