

WORK FORCE™

WF1600H Triplex Pump

Specifications

Nominal input horsepower:	1,600
Maximum continuous pinion torque:	16,195 lb-ft
Maximum continuous pinion rpm:	520
Maximum strokes per minute:	120
Stroke length:	12 inches
Maximum piston diameter:	7 inches (3,429 psi)
Minimum piston diameter:	5 inches (5,000 psi)
Suction manifold:	12 inches with 150 pound flanges
Discharge manifold:	5 inches with API-7,500 psi RJ flanges
Pump weight dry:	60,500 pounds

Standard Features

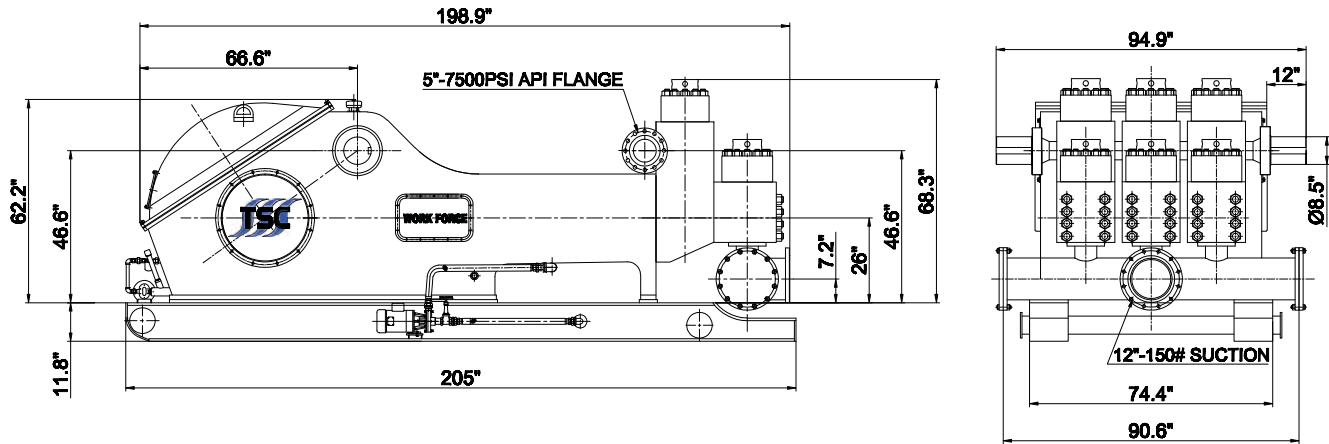
- Small footprint with high horsepower-to-weight ratio
- Alloy steel fluid end with API standard valves and seats
- 30,000 hour minimum bearing L10 life
- Gears designed to AGMA 8 and 10 specifications
- Rigid fabricated pump frame and skid
- Fabricated high-strength alloy steel eccentric core
- High-strength alloy steel in all drive components
- Cast cross heads and guides
- External lubrication pump
- External liner wash pump
- 12P, 7,500 psi fluid end standard

Options

- Pulsation dampener
- Strainer cross
- Pressure relief valve
- Torque tube drive interface
- Pressure gauge
- Charge pump
- Custom skids
- Motor starters in explosion-proof enclosure
- Mechanically-driven external lube pumps
- Other fluid end styles available



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WF1600H Performance Characteristics		Pinion HP	800	933	1,067	1,200	1,333	1,467	1,600	
			Pinion Torque	16,195 lb-ft						
			Pinion RPM	259	303	346	389	432	476	519
Piston Dia. (in.)	Pressure (psi)	Strokes (spm)	60	70	80	90	100	110	120	
4.5	7,500	Output (gpm)	149	174	198	223	248	273	297	
5.0	6,722		184	214	245	275	306	337	367	
5.5	5,555		222	259	296	333	370	407	444	
6.0	4,668		264	308	352	397	441	485	529	
6.5	3,977		310	362	414	465	517	569	621	
7.0	3,429		360	420	480	540	600	660	720	
7.25	3,197		386	450	515	579	643	708	772	

Notes:

- All data is subject to change without notice.
- All data is based on 100% or continuous duty cycle.
- Data is based on 90% mechanical and 100% volumetric efficiency.
- Achievable pressure will be limited by the horsepower available or the pressure limitations of the module used.
- Minimum RPM or SPM:
 1. Electric systems: 10% of the maximum
 2. Mechanical systems: 50% of the maximum

