TSC OFFSHORE

WORKFORCE TRIPLEX PUMP

WORKFORCE™ WF1300BH 7500PSI Triplex Pump

WORKFORCE TRIPLEX PUMP

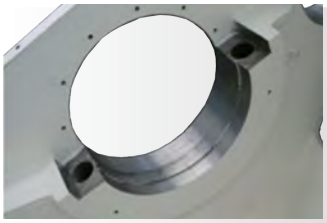
GLOBAL SOLUTIONS

DESIGNING, MANUFACTURING AND PACKAGING FOR THE OFFSHORE INDUSTRY

CW INDUSTRIAL

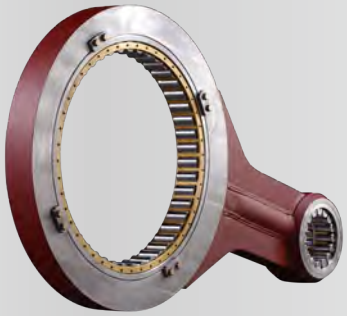
Beyond Integration
Seamless Solutions™

WORKFORCE™ WF1300BH



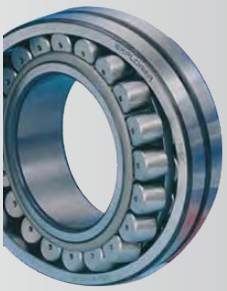
Double-reinforced, 50 Kip high strength, stress relieved, alloy-steel **Pump Frame** provides rigidity where its needed and longevity where its wanted. Heat treatment after fabrication removes residual stress and prevents distortion after final machining.

Forged, welded and heat treated low alloy steel **Connecting Rods** provide optimal operation integrity under continuous load. Fewer welds allow for enhanced durability.



Super Bolt & Nut on Main Bearing cap provide significantly higher yield and tensile strength than the standard hex nut and eliminate the need for special tools not commonly available on drilling rigs.

Premium SKF, Timken or equivalent **Bearings** with minimum L10 life of 30,000 hours at rated load.



Ultra compact, lightweight, harmonically balanced and aligned ground up innovative **Design** results in quiet, low vibration performance, lower operating and transport costs, and industry leading power to weight ratio.

Forged and heat treated, high strength alloy steel ANSI 4340, double helix **Gear** machined to **AGMA 10** & provide longer service life and stronger resistance against chipping under continuous load.

Forged **Pinion** shaft with machined gear made from high strength **ANSI 4340** steel forging for enhanced rigidity and service life.

Forged ,balanced, and heat treated alloy Steel **Crankshaft** delivers maximum service life. Bolted components allow for easy repairs and optimal sustainability.

Interchangeable with **Multiple** OEM fluid end modules & components for savings in stocking inventory.

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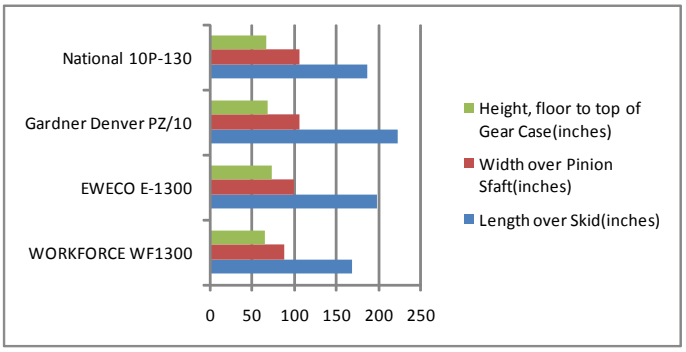
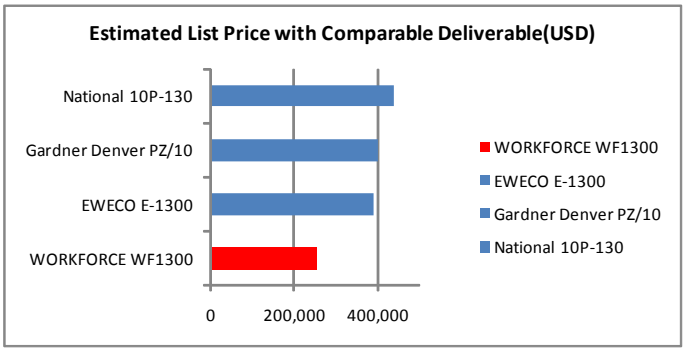
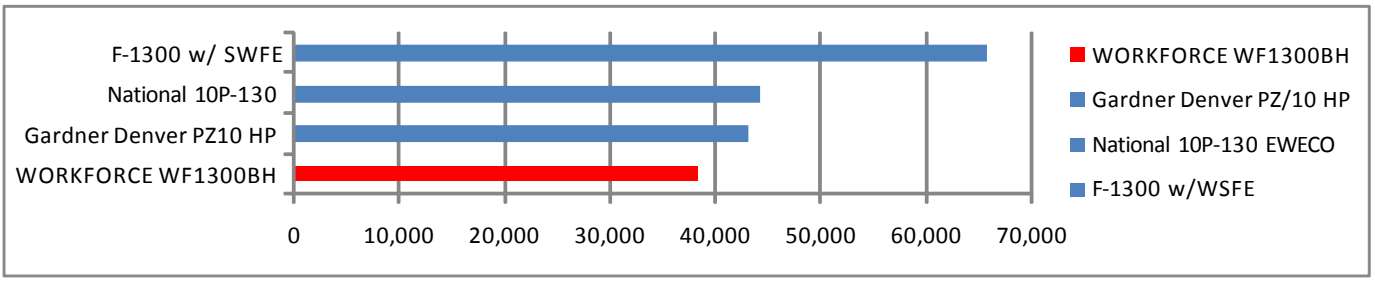
Why Choose WORKFORCE™?



Smaller Footprint, More Horsepower

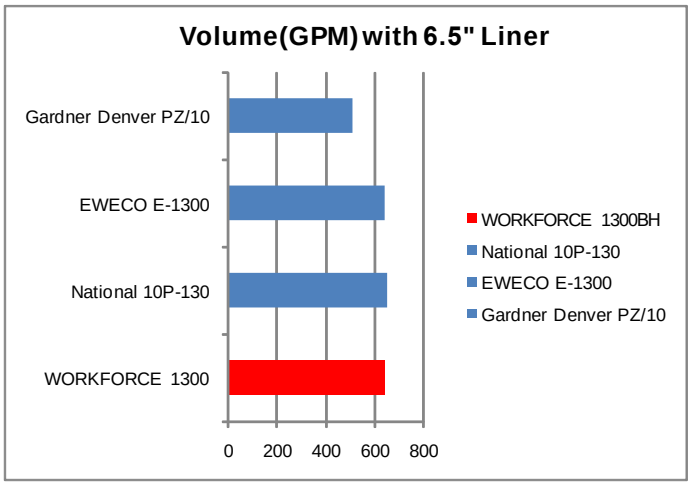


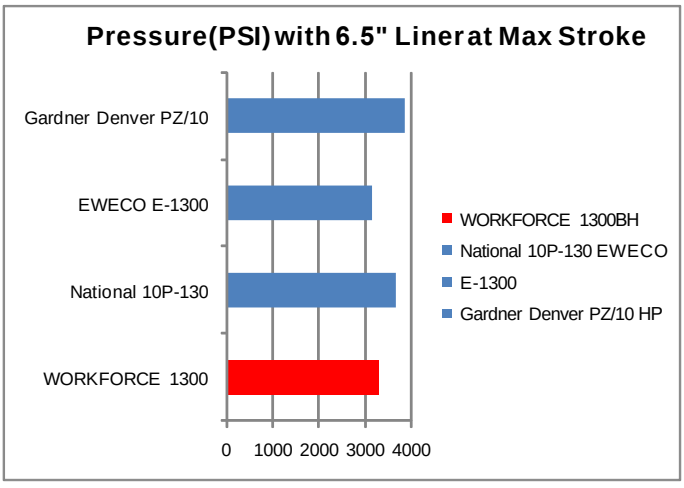
Lower Cost, Better Value



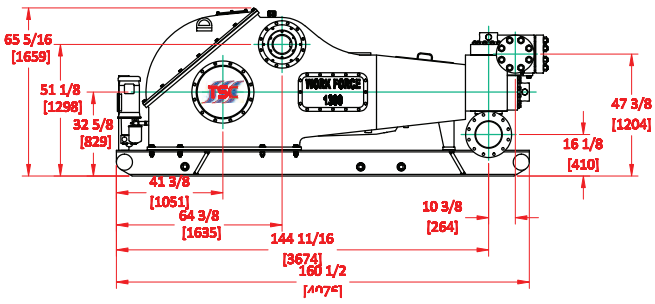
** Est weights including Skid, Dampner & Discharge Strainer*

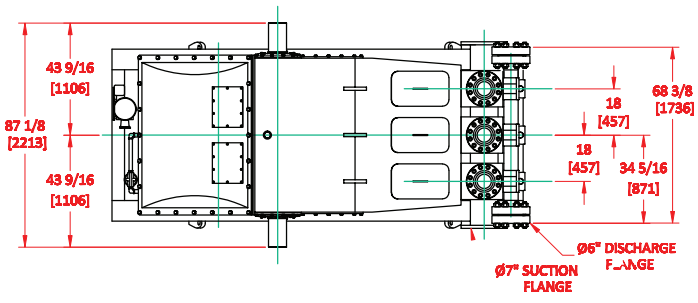
Lighter Weight. More Robust





Balanced Performance, Longer Life





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WORKFORCE™ WF1300BH

Specifications

Nominal Input Horsepower:	1,300
Maximum Continuous Pinion Torque:	11,246 lb-ft
Maximum Continuous Pinion RPM:	607
Maximum strokes per minute:	130
Stroke length:	11 inches
Maximum Piston Diameter:	6.5 inch @ 3254 PSI (22.4 MPa)
Minimum Piston Diameter:	4 inch @ 7500 PSI (51.7 MPa)
Suction Manifold:	10 inch with 150 PSI flanges
Discharge Manifold:	5-1/8 inch with 10,000 PSI flange
Pump Weight: *(Complete - Including Skid, Dampner, Lube/Liner System, 5 Way Discharge Strainer)*	38,780 lbs (17,627 kg)

Performance Characteristics

WF1300BH Performance			Power (HP)	700	800	900	1000	1100	1200	1300
			Pinion RPM	327	374	420	467	514	560	607
Liner Size	Max. Pressure		Strokes Per Minute	70	80	90	100	110	120	130
	PSI	Mpa								
4.0	7500	51.7	LPM	476	544	612	680	745	813	881
			(GPM)	*126*	*144*	*162*	*180*	*197*	*215*	*233*
4.5	6789	46.8	LPM	601	688	771	858	945	1032	1115
			(GPM)	*159*	*182*	*204*	*227*	*250*	*273*	*295*
5.0	5499	37.9	LPM	741	847	953	1058	1168	1274	1380
			(GPM)	*196*	*224*	*252*	*280*	*309*	*337*	*365*
5.5	4545	31.3	LPM	900	1028	1153	1281	1410	1538	1667
			(GPM)	*238*	*272*	*305*	*339*	*373*	*407*	*441*
6.0	3819	26.3	LPM	1070	1221	1376	1527	1678	1833	1985
			(GPM)	*283*	*323*	*364*	*404*	*444*	*485*	*525*
6.5	3254	22.4	LPM	1255	1433	1614	1792	1969	2151	2328
			(GPM)	*332*	*379*	*427*	*474*	*521*	*569*	*616*

Standard Equipment

- Compact footprint with high horsepower-to-weight ratio
- Alloy steel fluid end with API standard Valves and seats
- 30,000 hours minimum bearing L10 life
- Gears designed to AGMA 8 and 10 specs
- 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
- Electric external Lubrication pump
- Electric liner wash pump
- 7500PSI Valve over Valve style fluid ends

Optional Equipment

- 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

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