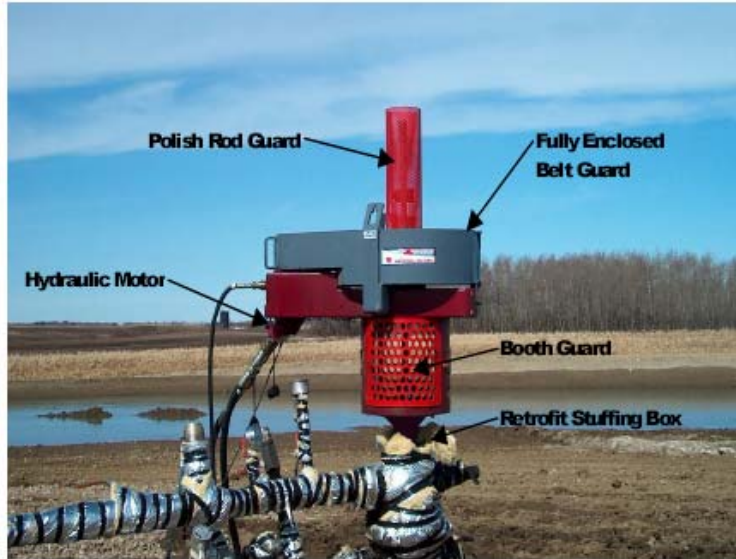




Hydraulic Wellhead Drive & Skid

HTD Overview & Specifications



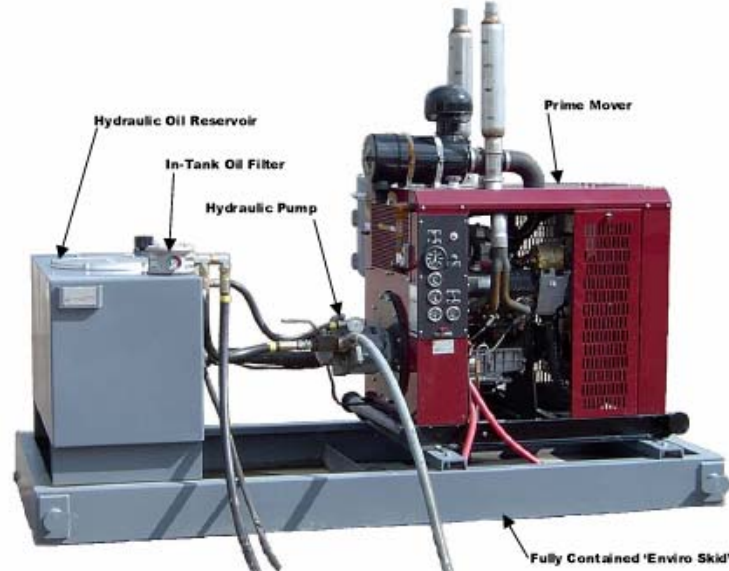
Motor (Rexroth AAZFM-)	107		80		107		80	
Pump (Rexroth A10VVS0-)	71				100			
Drive Ratio	4:1	3:1	4:1	3:1	4:1	3:1	4:1	3:1
Max Polish Rod Speed ¹ (RPM)	293	390	388	517	422	563	560	746
Max Rod Torque ¹ (ft-lb @ 3500 psi)	1215	910	917	687	1215	910	917	687
Max. System Pressure (psi)	3600							
Max System Temperature ²	175° F/ 80° C							
Torque ft-lb/ 100 psi	34.7	26	26.2	19.6	34.7	26	26.2	19.6
Polish Rod Size	1 1/4"							
Wellhead Connection	2- 7/8" EUE Pin or 3- 1/8"- 3000 psi-R31 Flange							
Thrust Bearing ³	Ca90-25,000 lbs/ ISO-96,300 lbs.							
Backspin Control	Check Valve on pressure side of the motor							
Torque Control	Adjustable pressure compensator on pump							
Variable Speed Control	Adjustable knob on the pump							
Height Integral (in.)	31							
Height Retrofit (in.)	47							
Width (in.)	29							
Weight Integral (lbs.)	400							
Weight Retrofit (lbs.)	450							

1-Values based on 100% efficiencies.

2-Maximum Operating Temperature may be limited by hydraulic oil.

3-Ca90 load rating is for 90 million revolutions at 500 rpm. Reducing load by one half increases life 10 times. Reducing speed by one half doubles hours of life.

Skid Overview & Specifications



Pump (Rexroth A10VSO-)	71	100	140	71 x 71 ²	85 x 71 ²
Flow ¹ (USGPM@1800rpm)	34	48	67	68 ⁴	74
Max. Cont. Pressure (psi)	4000	4000	4000	5000-Total ³	4000/Pump
Max. Cont. Speed (rpm)	2200	2000	1800	2200	2200
Skid Base					
Length (in.)	108				
Width (in.)	55				
Depth (in.)	8				
Hydraulic Reservoir					
Capacity	90 Gallons/ 400 Liters				
Hydraulic Filter					
Max Pressure (psi)	100				
Filtration	5 Micron Absolute				
Service Indicator	Gauge				
Hoses					
Pressure Line	1" Dia. x 4000 psi x 40 Ft. Long				
Return Line	1" Dia. x 4000 psi x 40 Ft. Long				
Case Drain Line	1/2" Dia. x 4250 psi x 40 Ft. Long				

1 - Based on 100% efficiencies.

2 - Tandem systems can be configured to run either 1 or 2 hydraulic motors.

3 – 5000 psi Total is a combination of both pumps. E.g. 3000 psi on the front pump and 2000 psi on the back pump.

4 – Flow rate will be reduced if the 5000-psi total is exceeded.

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