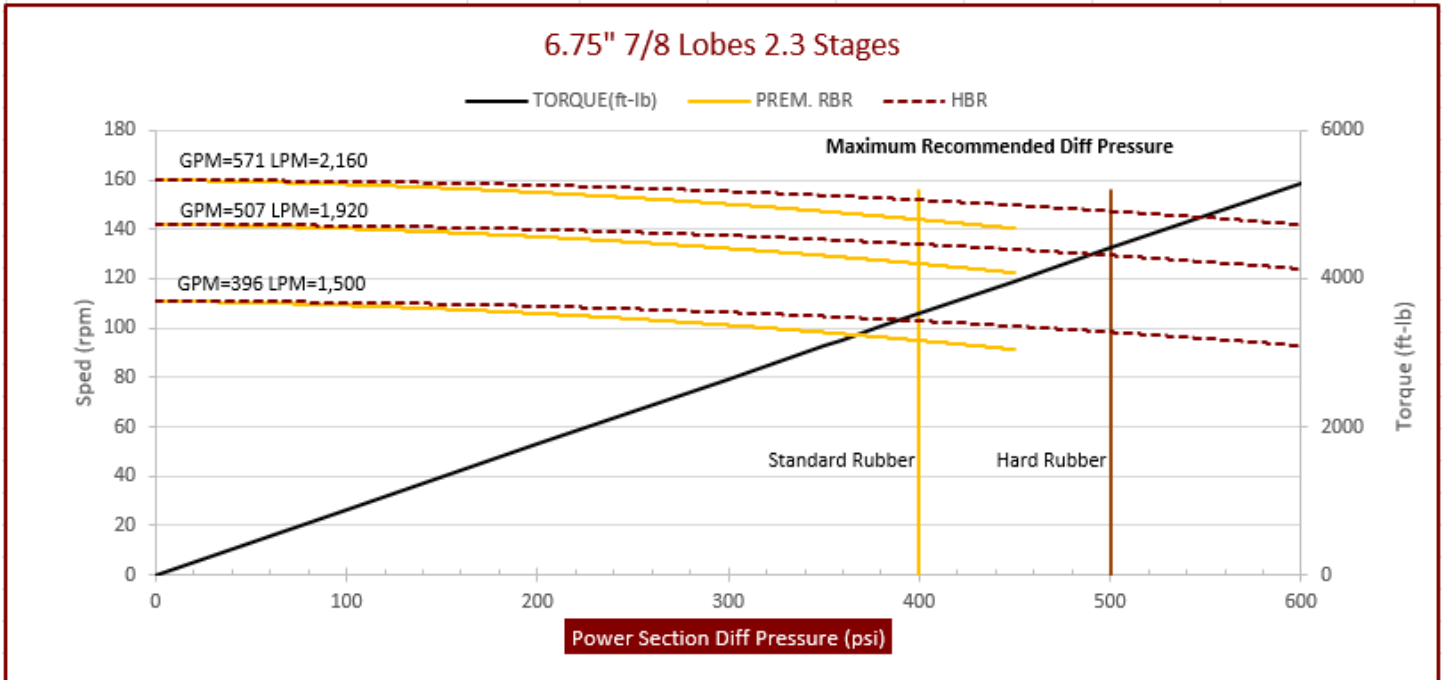


MECHANICAL PERFORMANCE		
Max. Weight on Bit	75,000 lbs	334 kN
Max. Pull to Re-Run	225,000 lbs	1,000 kN
Pull to Yield	650,000 lbs	2,891 kN
Bit to Bend (ABH)	61 in	1,550 mm
Bit to Bend (FBH)	42 in	1,078 mm
Weight	1,646 lbs	747 kg
Length	17.59 ft	5.36m
Top Connection (Box)	4 1/2" XH; 4 1/2" IF	
Bit Connection (Box)	4 1/2" Reg; 6 5/8" Reg	

FBH SETTING	SLICK HOUSING			STABILIZED HOUSING		
	HOLE SIZE			1/8" UNDERGAGE		
	8 1/2"	8 3/4"	9 7/8"	8 1/2"	8 3/4"	9 7/8"
DEG						
0.25	2.46	1.11	0.25	4.97	5.43	7.27
0.50	4.93	2.96	1.48	7.43	7.89	9.74
0.75	7.39	5.17	3.69	9.89	10.35	12.20
1.00	9.85	6.70	5.42	12.36	12.82	14.66
1.25	12.31	8.62	6.77	14.82	15.28	17.12
1.50	14.78	10.34	8.27	17.28	17.74	19.59
1.75	17.24	12.07	10.34	19.74	20.20	22.05
2.00	19.70	15.76	11.82	22.21	22.67	24.51
2.25	22.16	18.17	14.41	24.67	25.13	26.98
2.50	24.63	20.19	17.73	27.13	27.59	29.44
2.75	27.09	22.21	19.50	29.59	30.06	31.90
3.00	29.55	24.23	21.28	32.06	32.52	34.36

POWER SECTION PERFORMANCE SPECIFICATIONS		
Torque Slope	8.82 ft-lb/psi	1.73 Nm/kPa
Flow Range	396 - 571 GPM	1,500-2,160 LPM
Rotation	0.28 Rev/Gal	
Speed Range	111-160 RPM	
Off Bottom Press	100 psi	686 kPa

	POWER SECTION PERFORMANCE DETAILS	
	PREM RUBBER	HARD RUBBER
Max Diff Press psi (kPa)	400 (2,760)	500 (3,450)
Max Torque ft-lb (Nm)	3,530 (4,784)	4,413 (5,980)
Stall Diff Press psi (kPa)	600 (4,140)	750 (5,175)
Stall Torque ft-lb (Nm)	5,296 (7,176)	6,620 (8,970)
Max Recommended HP (kW)	132 (99)	165 (123)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance curves are for reference only. Actual power section performance may vary depending on the down hole temperature and rotor/stator fit. Performance data are subject to change without notice.