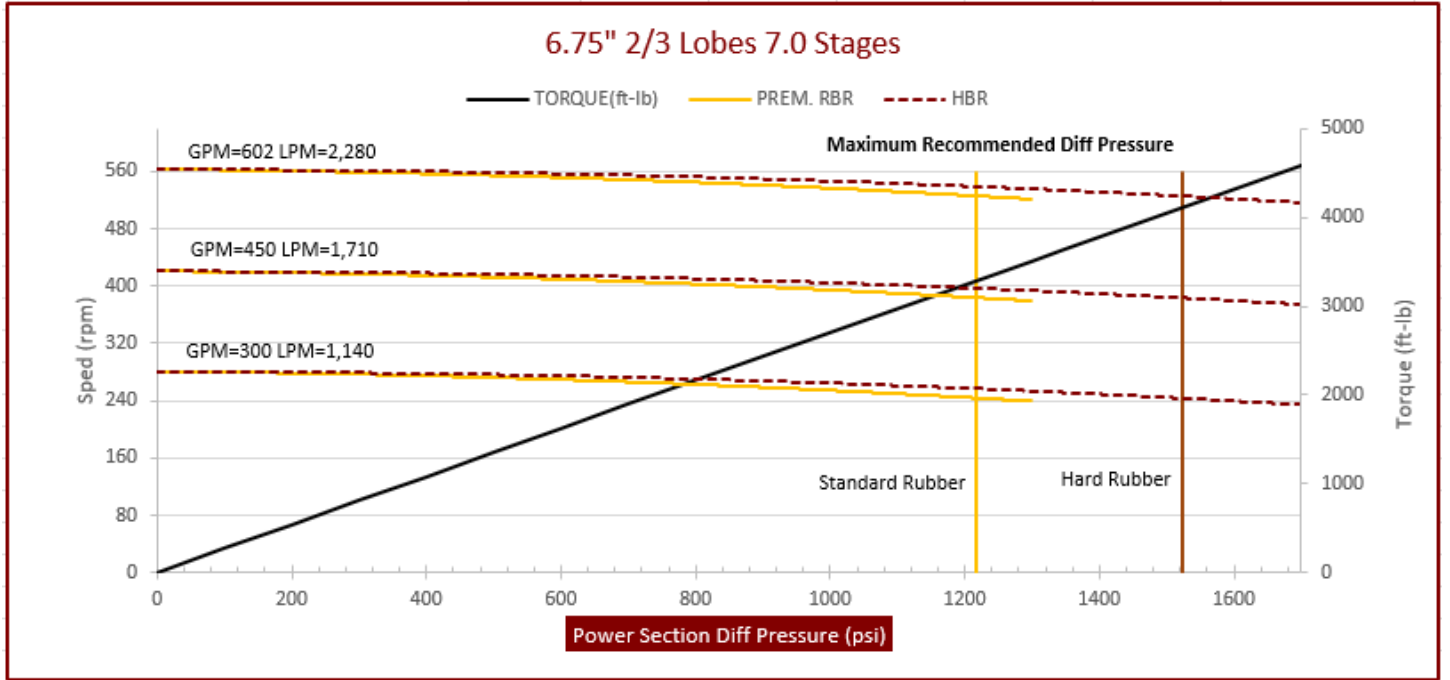


MECHANICAL PERFORMANCE		
Max. Weight on Bit	75,000 lbs	334 kN
Max. Pull to Re-Run	225,000 lbs	1,000 kN
Pull to Yield	650,000 lbs	2,891 kN
Bit to Bend (ABH)	61 in	1,550 mm
Bit to Bend (FBH)	42 in	1,078 mm
Weight	2,714 lbs	1,231 kg
Length	29.51 ft	8.99m
Top Connection (Box)	4 1/2" XH; 4 1/2" IF	
Bit Connection (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	1.55	0.70	0.16	2.41	2.57	3.20
0.50	3.11	1.86	0.93	3.96	4.12	4.75
0.75	4.66	3.26	2.33	5.52	5.67	6.30
1.00	6.22	4.23	3.42	7.07	7.23	7.86
1.25	7.77	5.44	4.27	8.62	8.78	9.41
1.50	9.32	6.53	5.22	10.18	10.34	10.97
1.75	10.88	7.61	6.53	11.73	11.89	12.52
2.00	12.43	9.94	7.46	13.29	13.44	14.07
2.25	13.98	11.47	9.09	14.84	15.00	15.63
2.50	15.54	12.74	11.19	16.39	16.55	17.18
2.75	17.09	14.02	12.31	17.95	18.11	18.74
3.00	18.65	15.29	13.43	19.50	19.66	20.29

POWER SECTION PERFORMANCE SPECIFICATIONS			POWER SECTION PERFORMANCE DETAILS		
				PREM RUBBER	HARD RUBBER
Torque Slope	2.7 ft-lb/psi	0.53 Nm/kPa	Max Diff Press psi (kPa)	1,218 (8,400)	1,522 (10,500)
Flow Range	300-602 GPM	1,140-2,280 LPM	Max Torque ft-lb (Nm)	3,293 (4,463)	4,117 (5,578)
Rotation	0.935 rev/gal		Stall Diff Press psi (kPa)	1,827 (12,600)	2,283 (15,750)
Speed Range	281-564 rpm		Stall Torque ft-lb (Nm)	4,940 (6,694)	6,175 (8,368)
Off Bottom Press	155 psi	1,070 kPa	Max Recommended HP (kW)	352 (264)	440 (330)



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.