

MECHANICAL PERFORMANCE

Max. Weight on Bit	65,000 lbs	289 kN
Max. Pull to Re-Run	200,000 lbs	890 kN
Pull to Yield	600,000 lbs	2,670 kN
Bit to Bend (ABH)	51 in	1,296 mm
Bit to Bend (FBH)	46.18 in	1,173 mm
Weight	2,246 lbs	1,093 kg
Length	28.15 ft	8.6 m
Top Connection (Box)	4 1/2" XH; 4 1/2" IF	
Bit Connection (Box)	4 1/2" Reg	

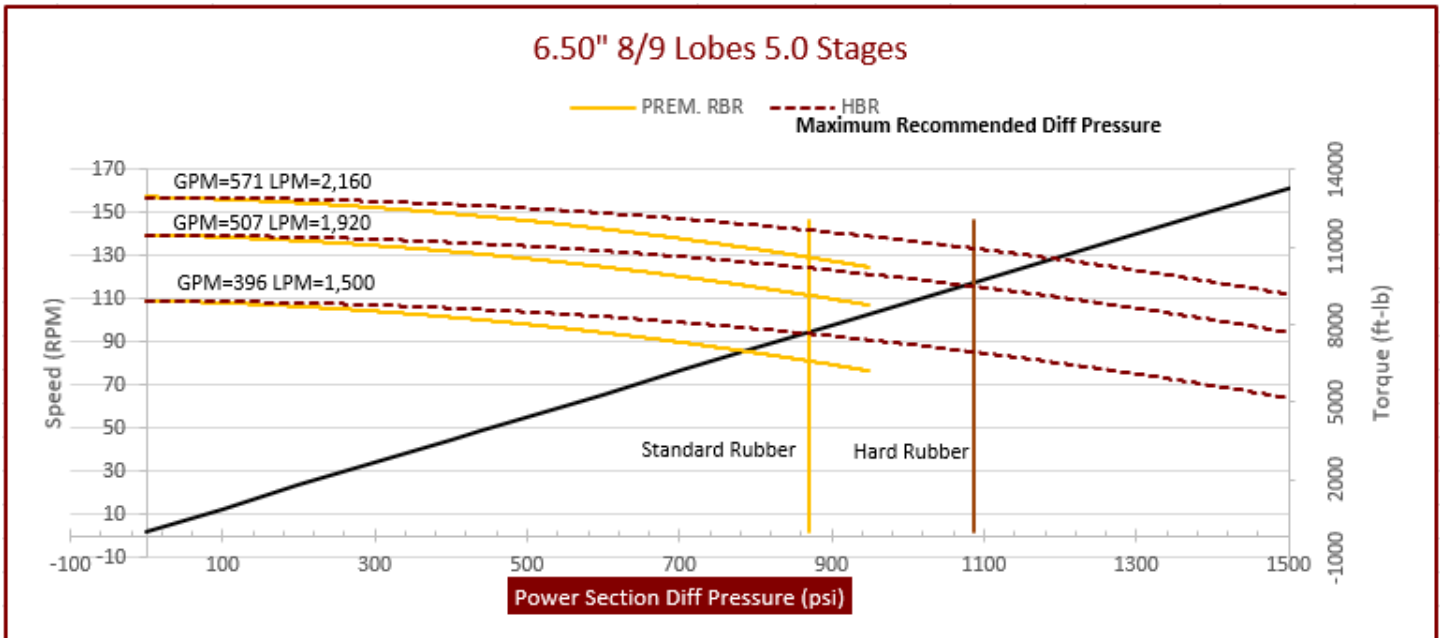
FBH SETTING	SLICK HOUSING			STABILIZED HOUSING		
	HOLE SIZE			1/8" UNDERGAGE		
	7 7/8"	8 1/2"	8 3/4"	7 7/8"	8 1/2"	8 3/4"
DEG						
0.25	1.60	0.72	0.16	2.70	2.87	3.55
0.50	3.20	1.92	0.96	4.30	4.47	5.15
0.75	4.80	3.36	2.40	5.90	6.07	6.75
1.00	6.40	4.35	3.52	7.50	7.67	8.35
1.25	8.00	5.60	4.40	9.10	9.27	9.95
1.50	9.60	6.72	5.37	10.70	10.87	11.55
1.75	11.20	7.84	6.72	12.30	12.47	13.15
2.00	12.80	10.24	7.68	13.89	14.07	14.75
2.25	14.39	11.80	9.36	15.49	15.67	16.35
2.50	15.99	13.12	11.52	17.09	17.26	17.95
2.75	17.59	14.43	12.67	18.69	18.86	19.55
3.00	19.19	15.74	13.82	20.29	20.46	21.15

POWER SECTION PERFORMANCE SPECIFICATIONS

Torque Slope	8.84 ft-lb/psi	1.74 Nm/kPa
Flow Range	396 - 571 GPM	1,500-2,160 LPM
Rotation	0.275 Rev/Gal	
Speed Range	110-157 RPM	
Off Bottom Press	130 psi	893 kPa

POWER SECTION PERFORMANCE DETAILS

	PREM RUBBER	HARD RUBBER
Max Diff Press psi (kPa)	870 (6,000)	1,087 (7,500)
Max Torque ft-lb (Nm)	7,694 (10,425)	9,617 (13,031)
Stall Diff Press psi (kPa)	1,305 (9,000)	1,631 (11,250)
Stall Torque ft-lb (Nm)	11,541 (15,637)	14,426 (19,546)
Max Recommended HP (kW)	228 (171)	285 (213)



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.