

MECHANICAL PERFORMANCE

Max. Weight on Bit	20,000 lbs	89 kN
Max. Pull to Re-Run	60,000 lbs	267 kN
Pull to Yield	172,000 lbs	765 kN
Bit to Bend (ABH)	36 in	914 mm
Bit to Bend (FBH)	29 in	736 mm
Weight	339 lbs	154 kg
Length	14.6 ft	4.5 m
Top Connection (Box)	2 7/8" Reg	
Bit Connection (Box)	2 3/8" Reg	

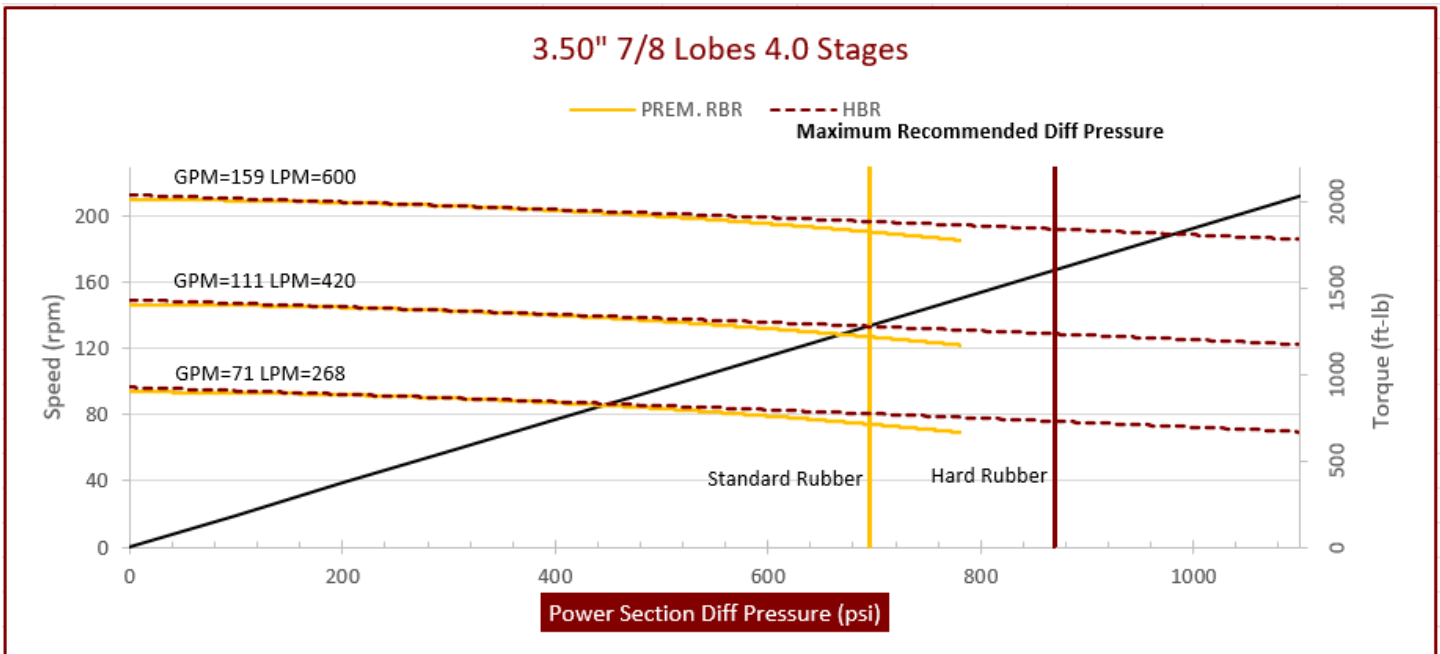
FBH SETTING	SLICK HOUSING			STABILIZED HOUSING		
	HOLE SIZE			1/8" UNDERGAGE		
	4 1/2"	5 1/2"	6"	4 1/2"	5 1/2"	6"
DEG						
0.25	2.42	1.09	0.24	4.29	6.51	7.67
0.50	5.37	3.22	1.61	7.24	9.46	10.62
0.75	8.32	5.82	4.16	10.19	12.41	13.57
1.00	11.27	7.66	6.20	13.14	15.37	16.52
1.25	14.22	9.95	7.82	16.09	18.32	19.47
1.50	17.17	12.02	9.62	19.04	21.27	22.42
1.75	20.12	14.09	12.07	21.99	24.22	25.38
2.00	23.07	18.46	13.84	24.94	27.17	28.33
2.25	26.03	21.34	16.92	27.90	30.12	31.28
2.50	28.98	23.76	20.86	30.85	33.07	34.23
2.75	31.93	26.18	22.99	33.80	36.02	37.18
3.00	34.88	28.60	25.11	36.75	38.97	40.13

POWER SECTION PERFORMANCE SPECIFICATIONS

Torque Slope	1.8 ft-lb/psi	0.362 Nm/kPa
Flow Range	71 - 159 GPM	268- 600 LPM
Rotation	1.32 Rev/Gal	
Speed Range	95-210 RPM	
Off Bottom Press	609 psi	4,200 kPa

POWER SECTION PERFORMANCE DETAILS

	PREM RUBBER	HARD RUBBER
Max Diff Press psi (kPa)	696 (4,800)	870 (6,000)
Max Torque ft-lb (Nm)	1,285 (1,742)	1,607 (2,177)
Stall Diff Press psi (kPa)	1,044 (7,200)	1,305 (9,000)
Stall Torque ft-lb (Nm)	1,928 (2,613)	2,410 (3,266)
Max Recommended HP (kW)	50 (38)	63 (47)



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.