

MECHANICAL PERFORMANCE

Max. Weight on Bit	50,000 lbs	222 kN
Max. Pull to Re-Run	100,000 lbs	445 kN
Pull to Yield	300,000 lbs	1,334 kN
Bit to Bend (ABH)	54.6 in	1,386 mm
Bit to Bend (FBH)	44 in	1,116 mm
Weight	1,014 lbs	460 kg
Length	21 ft	6.4 m
Top Connection (Box)	3 1/2" IF	
Bit Connection (Box)	3 1/2" Reg	

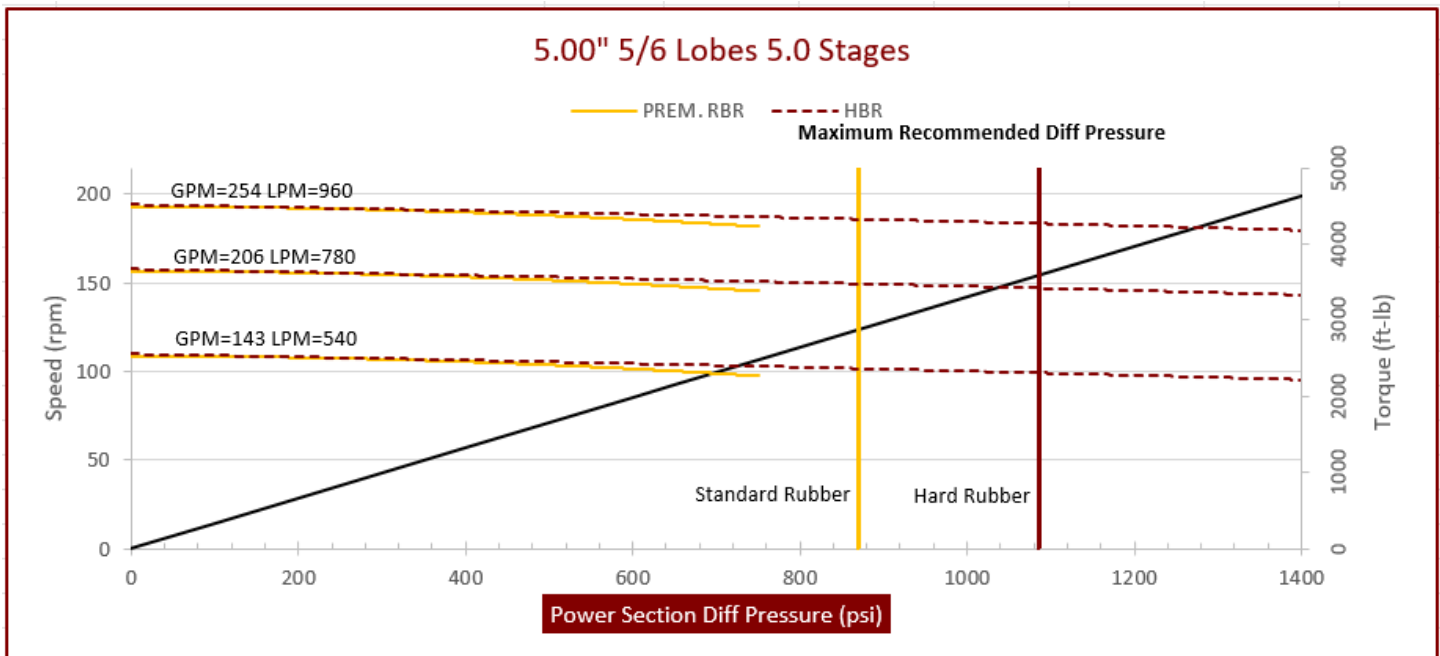
FBH SETTING	SLICK HOUSING			STABILIZED HOUSING		
	HOLE SIZE			1/8" UNDERGAGE		
	6"	6 1/8"	6 3/4"	6"	6 1/8"	6 3/4"
DEG	6"	6 1/8"	6 3/4"	6"	6 1/8"	6 3/4"
0.25	2.12	0.95	0.21	3.06	3.19	3.91
0.50	4.20	2.52	1.26	5.13	5.27	5.98
0.75	6.27	4.39	3.14	7.21	7.34	8.06
1.00	8.35	5.68	4.59	9.29	9.42	10.14
1.25	10.42	7.30	5.73	11.36	11.50	12.21
1.50	12.50	8.75	7.00	13.44	13.57	14.29
1.75	14.57	10.20	8.74	15.51	15.65	16.36
2.00	16.65	13.32	9.99	17.59	17.72	18.44
2.25	18.73	15.36	12.17	19.66	19.80	20.51
2.50	20.80	17.06	14.98	21.74	21.87	22.59
2.75	22.88	18.76	16.47	23.82	23.95	24.67
3.00	24.95	20.46	17.97	25.89	26.03	26.74

POWER SECTION PERFORMANCE SPECIFICATIONS

Torque Slope	3.3 ft-lb/psi	0.64 Nm/kPa
Flow Range	143 - 254 GPM	540 - 960 LPM
Rotation	0.76 Rev/Gal	
Speed Range	109-193 RPM	
Off Bottom Press	110 psi	756 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)	2,835 (3,842)	3,544 (4,802)
Stall Diff Press psi (kPa)	1,305 (9,000)	1,631 (11,250)
Stall Torque ft-lb (Nm)	4,253 (5,763)	5,316 (7,203)
Max Recommended HP (kW)	104 (78)	130 (97)



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.