

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	1,149 lbs	521 kg
Length	23.6 ft	7.2 m
Top Connection (Box)	3 1/2" IF	
Bit Connection (Box)	3 1/2" Reg	

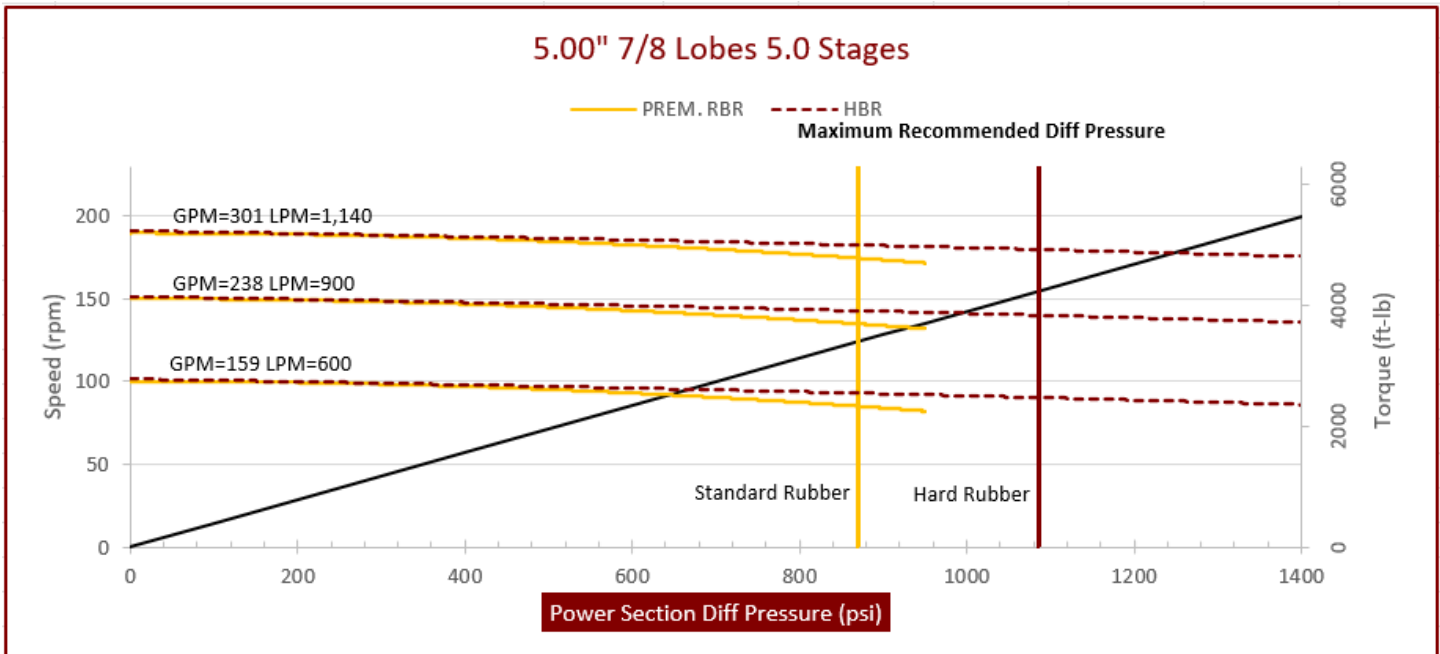
FBH SETTING	SLICK HOUSING			STABILIZED HOUSING 1/8" UNDERGAGE		
	HOLE SIZE					
DEG	6"	6 1/8"	6 3/4"	6"	6 1/8"	6 3/4"
0.25	1.91	0.86	0.19	2.64	2.75	3.31
0.50	3.78	2.27	1.13	4.51	4.62	5.18
0.75	5.65	3.95	2.82	6.38	6.49	7.05
1.00	7.52	5.11	4.14	8.26	8.36	8.92
1.25	9.39	6.57	5.17	10.13	10.23	10.79
1.50	11.26	7.88	6.31	12.00	12.10	12.66
1.75	13.13	9.19	7.88	13.87	13.97	14.53
2.00	15.01	12.00	9.00	15.74	15.85	16.41
2.25	16.88	13.84	10.97	17.61	17.72	18.28
2.50	18.75	15.37	13.50	19.48	19.59	20.15
2.75	20.62	16.91	14.85	21.35	21.46	22.02
3.00	22.49	18.44	16.19	23.23	23.33	23.89

POWER SECTION PERFORMANCE SPECIFICATIONS

Torque Slope	3.9 ft-lb/psi	0.762 Nm/kPa
Flow Range	159 - 301 GPM	600-1,140 LPM
Rotation	0.63 Rev/Gal	
Speed Range	100-189 RPM	
Off Bottom Press	110 psi	757 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)	3,384 (4,580)	4,230 (5,732)
Stall Diff Press psi (kPa)	1,305 (9,000)	1,631 (11,250)
Stall Torque ft-lb (Nm)	5,077 (6,879)	6,346 (8,598)
Max Recommended HP (kW)	121 (91)	151 (113)



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.