

**MECHANICAL PERFORMANCE**

<b>Max. Weight on Bit</b>	20,000 lbs	89 kN
<b>Max. Pull to Re-Run</b>	60,000 lbs	267 kN
<b>Pull to Yield</b>	172,000 lbs	765 kN
<b>Bit to Bend (ABH)</b>	36 in	914 mm
<b>Bit to Bend (FBH)</b>	29 in	736 mm
<b>Weight</b>	330 lbs	150 kg
<b>Length</b>	14 ft	4.3 m
<b>Top Connection (Box)</b>	2 7/8" Reg	
<b>Bit Connection (Box)</b>	2 3/8" Reg	

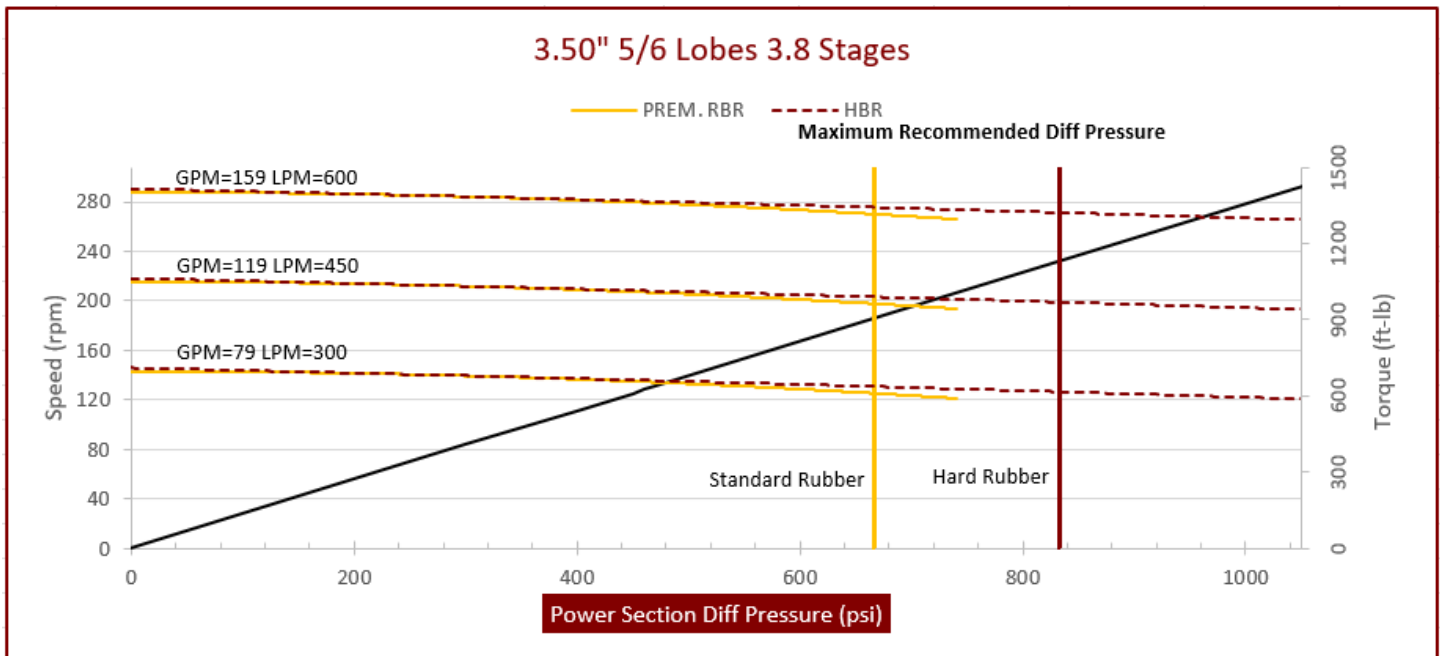
FBH SETTING	SLICK HOUSING			STABILIZED HOUSING		
	HOLE SIZE			1/8" UNDERGAGE		
	4 1/2"	5 1/2"	6"	4 1/2"	5 1/2"	6"
<b>DEG</b>						
<b>0.25</b>	2.50	1.13	0.25	4.61	7.12	8.43
<b>0.50</b>	5.61	3.36	1.68	7.72	10.23	11.53
<b>0.75</b>	8.71	6.10	4.36	10.82	13.33	14.64
<b>1.00</b>	11.82	8.03	6.50	13.93	16.44	17.74
<b>1.25</b>	14.92	10.44	8.21	17.03	19.54	20.85
<b>1.50</b>	18.03	12.62	10.09	20.14	22.65	23.95
<b>1.75</b>	21.13	14.79	12.68	23.24	25.75	27.06
<b>2.00</b>	24.24	19.39	14.54	26.35	28.86	30.16
<b>2.25</b>	27.34	22.42	17.77	29.45	31.96	33.27
<b>2.50</b>	30.44	24.96	21.92	32.55	35.07	36.37
<b>2.75</b>	33.55	27.51	24.16	35.66	38.17	39.48
<b>3.00</b>	36.65	30.06	26.39	38.76	41.28	42.58

**POWER SECTION PERFORMANCE SPECIFICATIONS**

<b>Torque Slope</b>	1.3 ft-lb/psi	0.266 Nm/kPa
<b>Flow Range</b>	79 - 159 GPM	300- 600 LPM
<b>Rotation</b>	1.81 Rev/Gal	
<b>Speed Range</b>	144-287 RPM	
<b>Off Bottom Press</b>	435 psi	3,000 kPa

**POWER SECTION PERFORMANCE DETAILS**

	PREM RUBBER	HARD RUBBER
<b>Max Diff Press psi (kPa)</b>	667 (4,600)	833 (5,750)
<b>Max Torque ft-lb (Nm)</b>	904 (1,225)	1,130 (1,531)
<b>Stall Diff Press psi (kPa)</b>	1,000 (6,900)	1,250 (8,625)
<b>Stall Torque ft-lb (Nm)</b>	1,356 (1,837)	1,695 (2,296)
<b>Max Recommended HP (kW)</b>	49 (37)	61 (46)



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.