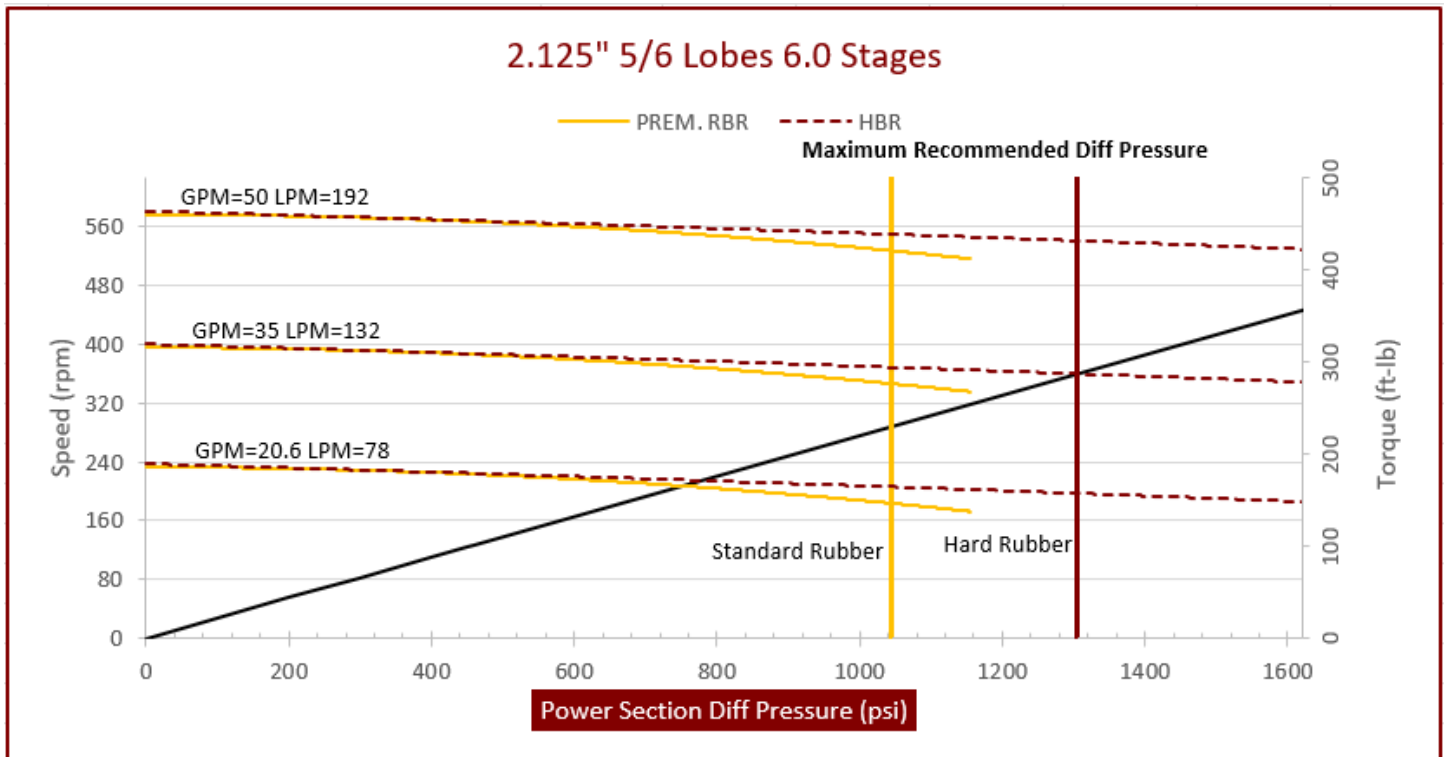


MECHANICAL PERFORMANCE

Max. Weight on Bit	3,500 lbs	15.5 kN
Max. Pull to Re-Run	20,000 lbs	89 kN
Pull to Yield	50,000 lbs	227 kN
Bit to Bend (ABH)	/	/
Bit to Bend (FBH)	/	/
Weight	113 lbs	51.7 kg
Length	11.5 ft	3.52 m
Top Connection (Box)	1 1/2" Reg	
Bit Connection (Box)	1 1/2" Reg	

POWER SECTION PERFORMANCE SPECIFICATIONS			POWER SECTION PERFORMANCE DETAILS		
				PREM RUBBER	HARD RUBBER
Torque Slope	0.2 ft-lb/psi	0.043 Nm/kPa	Max Diff Press psi (kPa)	1,044 (7,200)	1,305 (9,000)
Flow Range	20.6 - 50 GPM	78- 192 LPM	Max Torque ft-lb (Nm)	230 (312)	287 (390)
Rotation	11.3 Rev/Gal		Stall Diff Press psi (kPa)	1,566 (10,800)	1,957 (13,500)
Speed Range	237-565 RPM		Stall Torque ft-lb (Nm)	345 (468)	431 (585)
Off Bottom Press	460 psi	2,800 kPa	Max Recommended HP (kW)	24 (18)	30 (22)



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.