



9.63" 7/8 Lobes 5.0 Stages

MECHANICAL PERFORMANCE

Max. Weight on Bit	120,000 lbs	534 kN
Max. Pull to Re-Run	495,000 lbs	2,201 kN
Pull to Yield	1,000,000 lbs	4,448 kN
Bit to Bend (ABH)	--	--
Bit to Bend (FBH)	77.1 in	1,959 mm
Weight	5,730 lbs	2,580 kg
Length	32.55 ft	9.91 m
Top Connection (Box)	6 5/8" Reg; 7 5/8" Reg	
Bit Connection (Box)	6 5/8" Reg; 7 5/8" Reg	

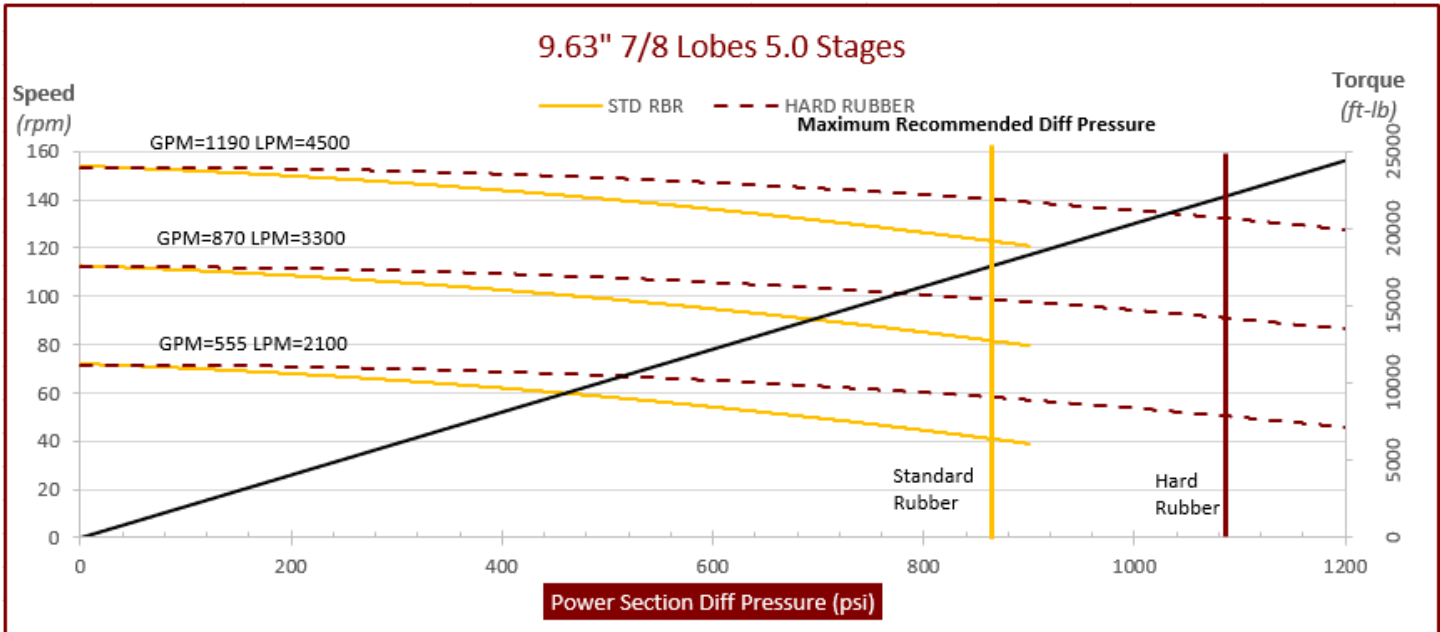
FBH SETTING	SLICK HOUSING			STABILIZED HOUSING		
	HOLE SIZE			1/8" UNDERGAGE		
	12-1/4"	14 3/4"	17 1/2"	12-1/4"	14 3/4"	17 1/2"
DEG						
0.25	1.32	0.60	0.11	2.55	3.75	5.08
0.50	2.65	1.59	0.79	3.87	5.07	6.41
0.75	3.97	2.78	1.98	5.19	6.40	7.73
1.00	5.30	3.60	2.91	6.52	7.72	9.06
1.25	6.62	4.63	3.64	7.84	9.04	10.38
1.50	7.94	5.56	4.44	9.17	10.37	11.70
1.75	9.27	6.48	5.56	10.49	11.69	13.03
2.00	10.59	8.47	6.35	11.81	13.02	14.35
2.25	11.92	9.76	7.74	13.14	14.34	15.68
2.50	13.24	10.85	9.52	14.46	15.66	17.00
2.75	14.56	11.93	10.48	15.79	16.99	18.32
3.00	15.89	13.02	11.43	17.11	18.31	19.63

POWER SECTION PERFORMANCE SPECIFICATIONS

Torque Slope	17.860 ft-lb/psi	3.5 N.m/kPa
Flow Range	555 - 1190 GPM	2,100-4,500 LPM
Rotation	0.13 Rev/Gal	
Speed Range	72-154 RPM	
Off Bottom Press	275 psi	1,900 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)	16,445 (22,296)	20,556 (27,870)
Stall Diff Press psi (kPa)	1,305 (9,000)	1,631 (11,250)
Stall Torque ft-lb (Nm)	24,667 (33,444)	30,833 (41,805)
Max Recommended HP (kW)	482(360)	602 (450)



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.