

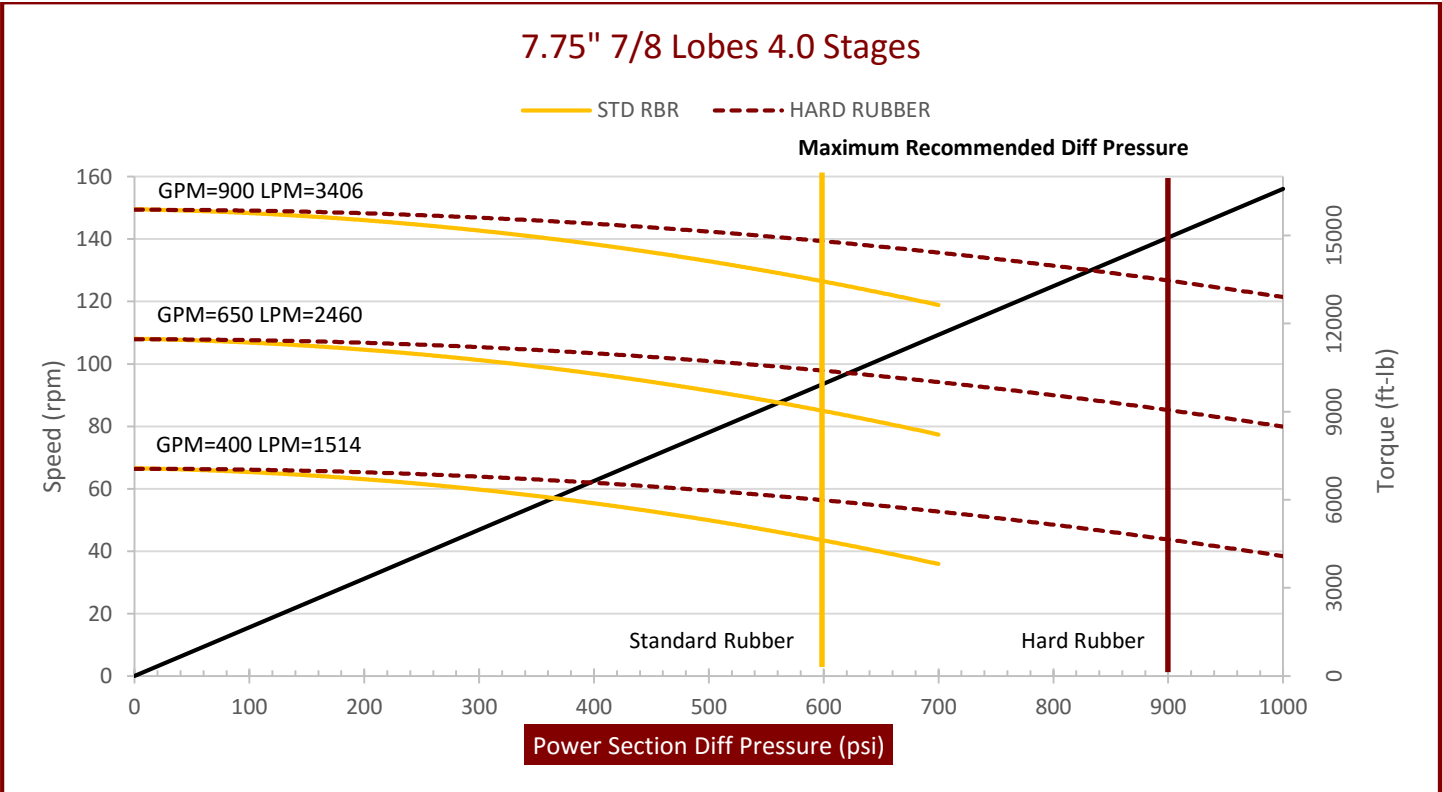
# 7-3/4" 7/8 Lobes 4.0 Stages Combo (9-5/8" Lower End)

MECHANICAL PERFORMANCE		
Max. Weight on Bit	100,000 lbs	445 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)	90 in	2,284 mm
Bit to Bend (FBH)	72 in	1,829 mm
Weight	3,850 lbs	1,750 kg
Length	30.3 ft	9.24 m
Top Connection (Box)	6 5/8" Reg; 7 5/8" Reg	
Bit Connection (Box)	6 5/8" Reg; 7 5/8" Reg	

ABH SETTING	SLICK HOUSING		STABILIZED HOUSING	
	HOLE SIZE		1/8" UNDERGAGE	
	HOLE SIZE	HOLE SIZE	HOLE SIZE	HOLE SIZE
DEG	12 1/4"	17 1/2"	12 1/4"	17 1/2"
0.39	3.00	0.00	4.49	7.44
0.78	4.90	0.00	6.53	9.48
1.15	7.00	0.00	8.47	11.42
1.50	9.00	1.10	10.31	13.26
1.83	10.90	2.50	12.04	14.99
2.12	12.60	3.10	13.56	16.51
2.38	13.10	5.60	14.92	17.87
2.60	15.30	6.80	16.07	19.02
2.77	16.30	7.80	16.97	19.92
2.89	17.00	8.50	17.60	20.54
2.97	17.50	9.00	18.01	20.96
3.00	17.60	9.10	18.17	21.12

POWER SECTION PERFORMANCE SPECIFICATIONS		
Torque Slope	16.589 ft-lb/psi	3.262 Nm/kPa
Flow Range	400 - 900 GPM	1,514-3,406 LPM
Rotation	0.166 Rev/Gal	
Speed Range	66-150 RPM	
Off Bottom Press	126 psi	870 kPa

POWER SECTION PERFORMANCE DETAILS		
	STD RUBBER	HARD RUBBER
Max Diff Press psi (kPa)	600 (4,140)	900 (6,210)
Max Torque ft-lb (Nm)	9,950 (13,490)	14,930 (20,240)
Stall Diff Press psi (kPa)	900 (6,210)	1,350 (9,310)
Stall Torque ft-lb (Nm)	14,930 (20,240)	22,400 (30,360)
Max Recommended HP (kW)	283 (211)	401 (299)



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.