



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

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)	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 1/8" UNDERGAGE	
	HOLE SIZE		HOLE SIZE	
DEG	12 1/4"	17 1/2"	12 1/4"	17 1/2"
0.39	2.81	2.81	4.43	7.33
0.78	4.72	4.52	6.49	9.40
1.15	6.54	4.76	8.46	11.36
1.50	8.26	5.34	10.31	13.22
1.83	9.88	6.00	12.06	14.97
2.12	11.30	6.67	13.60	16.51
2.38	12.58	7.99	14.98	17.88
2.60	13.66	9.07	16.15	19.05
2.77	14.50	9.98	17.05	19.95
2.89	15.09	10.61	17.69	20.59
2.97	15.48	11.01	18.11	21.01
3.00	15.63	11.18	18.27	21.17

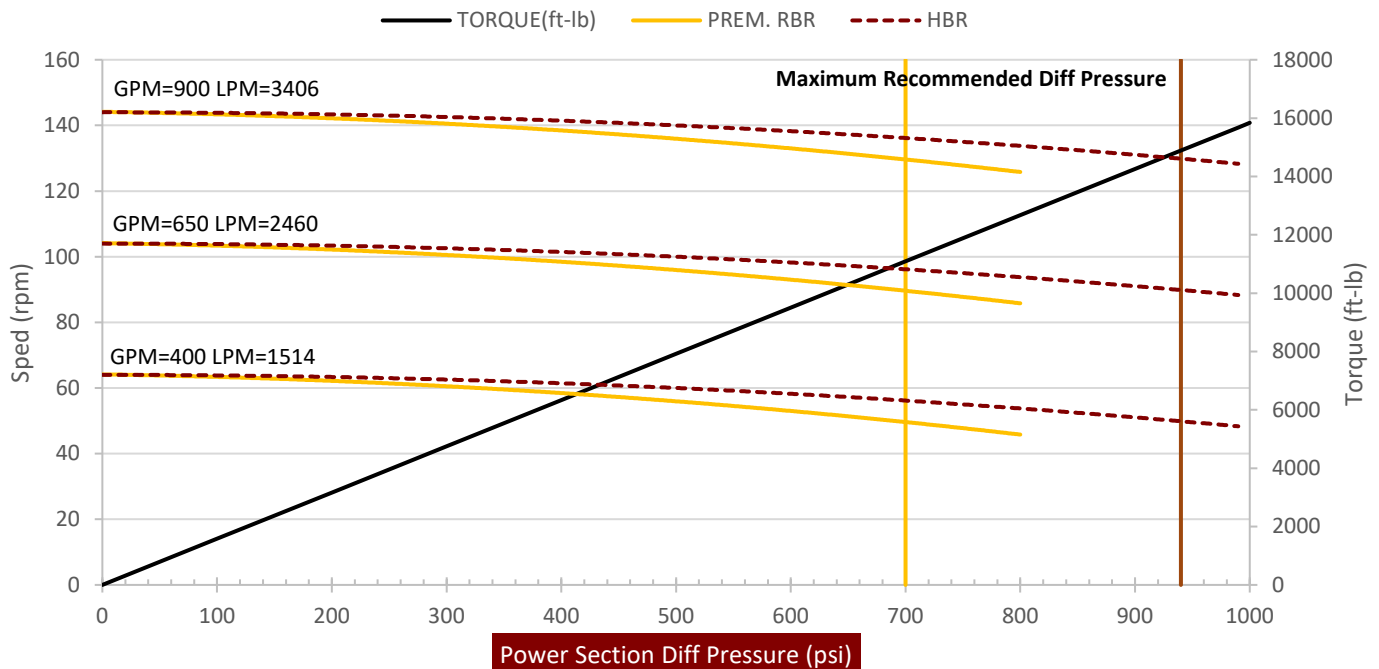
POWER SECTION PERFORMANCE SPECIFICATIONS

Torque Slope	15.84 ft-lb/psi	3.12 Nm/kPa
Flow Range	400 - 900 GPM	1,514-3,406 LPM
Rotation	0.160 Rev/Gal	
Speed Range	64-144 RPM	
Off Bottom Press	100 psi	690 kPa

POWER SECTION PERFORMANCE DETAILS

	PREM RUBBER	HARD RUBBER
Max Diff Press psi (kPa)	700 (4,826)	940 (6,500)
Max Torque ft-lb (Nm)	11,091 (15,037)	14,890 (10300)
Stall Diff Press psi (kPa)	1,050 (7,239)	1,490(20200)
Stall Torque ft-lb (Nm)	16,635 (22,554)	23,460 (31,800)
Max Recommended HP (kW)	304 (226)	401 (299)

7.75" 7/8 Lobes 4.0 Stages



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.