

MECHANICAL PERFORMANCE

Max. Weight on Bit	75,000 lbs	334 kN
Max. Pull to Re-Run	225,000 lbs	1,000 kN
Pull to Yield	650,000 lbs	2,891 kN
Bit to Bend (ABH)	61 in	1,550 mm
Bit to Bend (FBH)	46 in	1,168 mm
Weight	2,500 lbs	1,134 kg
Length	32 ft	9.75 m
Top Connection (Box)	4 1/2" XH; 4 1/2" IF	
Bit Connection (Box)	4 1/2" Reg; 6 5/8" Reg 4 1/2" XH; 4 1/2" IF	

POWER SECTION PERFORMANCE SPECIFICATIONS

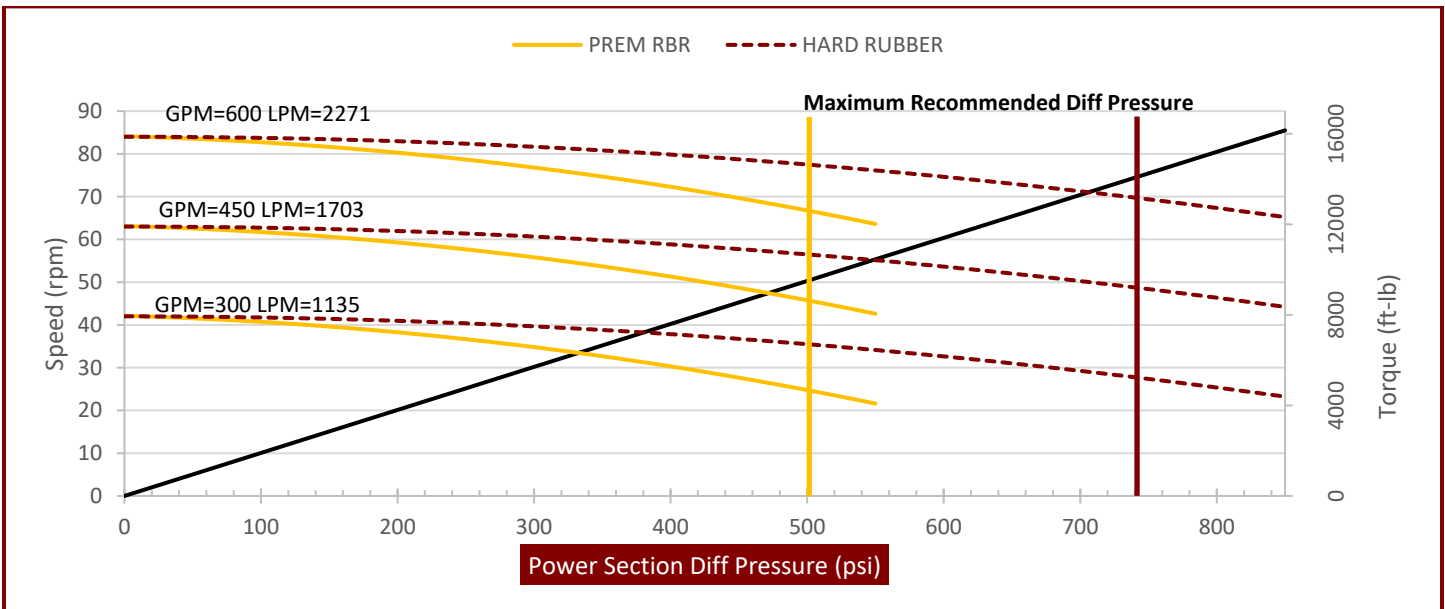
Torque Slope	19.000 ft-lb/psi	3.736 Nm/kPa
Flow Range	300 - 600 GPM	1,135-2,271 LPM
Rotation	0.140 Rev/Gal	
Speed Range	42-84 RPM	
Off Bottom Press	150 psi	1,030 kPa

POWER SECTION PERFORMANCE DETAILS

	PREM. RUBBER	HARD RUBBER
Max Diff Press psi (kPa)	500 (3,410)	740 (5,120)
Max Torque ft-lb (Nm)	9,410 (12,750)	14,110 (19,130)
Stall Diff Press psi (kPa)	740 (5,120)	1,110 (7,680)
Stall Torque ft-lb (Nm)	14,110 (19,130)	21,160 (28,690)
Max Recommended HP (kW)	150 (112)	212 (158)

BUILD RATE - ABH
SLICK HOUSING
STABILIZER
BUILD RATE - FBH
SLICK HOUSING
STABILIZER

DEG	8 1/2"	8 3/4"	9 7/8"	8 1/2"	8 3/4"	9 7/8"	DEG	8 1/2"	8 3/4"	9 7/8"	8 1/2"	8 3/4"	9 7/8"
0.39	2.05	2.05	1.86	2.92	3.05	3.66	1.00	5.43	5.43	4.94	6.50	6.62	7.23
0.78	4.1	3.49	3.19	5.09	5.22	5.82	1.25	6.79	5.78	5.28	7.93	8.06	8.66
1.15	6.05	5.54	3.99	7.15	7.27	7.88	1.50	8.15	7.45	5.37	9.37	9.49	10.10
1.50	7.89	7.29	4.90	9.09	9.22	9.82	1.75	9.50	8.78	5.90	10.80	10.93	11.53
1.83	9.62	9.05	6.64	10.92	11.05	11.66	1.83	9.94	9.35	6.86	11.26	11.39	11.99
2.12	11.15	10.59	8.25	12.54	12.66	13.27	2.00	10.86	10.32	8.04	12.24	12.36	12.97
2.38	12.51	11.96	9.55	13.98	14.11	14.71	2.12	11.51	11.01	8.79	12.93	13.05	13.66
2.60	13.67	13.13	10.74	15.20	15.33	15.94	2.25	12.22	11.74	9.60	13.67	13.80	14.41
2.77	14.56	14.02	11.65	16.15	16.27	16.88	2.38	12.93	12.45	10.34	14.42	14.54	15.15
2.89	15.19	14.65	12.28	16.81	16.94	17.55	2.50	13.58	13.10	10.98	15.11	15.23	15.84
2.97	15.61	15.08	12.72	17.26	17.39	17.99	2.75	14.94	14.42	12.17	16.54	16.67	17.28
3.00	15.77	15.23	12.87	17.43	17.55	18.16	3.00	16.29	15.74	13.30	17.98	18.10	18.71



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.