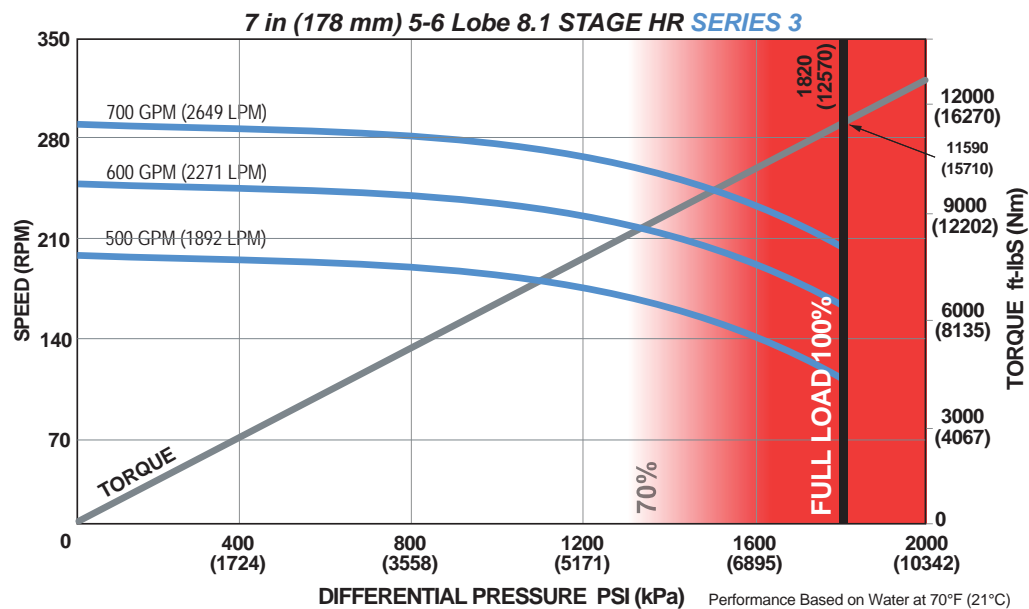


Bit Size Range		8-1/2 - 9-7/8 in	216 - 251 mm
Bit Box Connection		4-1/2 REGULAR	
Bearing Load On Bottom	Dynamic	151925 lbf	67580 daN
	Static	509765 lbf	226750 daN
Bearing Load - Off Bottom	Dynamic	151925 lbf	67580 daN
	Static	509765 lbf	226750 daN
Max. Overpull for Re-run		509765 lbf	227000 daN
Absolute Overpull		742200 lbf	330000 daN
Adjustable Make Up Torque		35000 ft-lbs	47454 Nm
A = Bit To Stabilizer (center)		16 in	406 mm
B = Bit to Bend	Adjustable	68 in	1727 mm
	Fixed	56 in	1422 mm
C = Overall Length		391 in	9931 mm
Weight		3212 lbs	1456.9 kg

Lobe Configuration	5-6 Lobe 8.1 Stage HR	
Displacement	0.41 rev/gal	0.11 rev/l
Max Differential @ No Load	1,820 psi	12,548 kPa
Max Torque @ No Load	11,590 ft-lbs	15,714 Nm
Max Power	441 HP	329 kW

Flow Rate		Speed
GPM	LPM	RPM
500	1,893	112 - 205
600	2,271	156 - 248
700	2,650	200 - 290



Possible damage may occur when motor is run higher than 70% of Maximum Differential Pressure.

ADJUSTABLE BUILD RATE: 7 in (178 mm) 5-6 Lobe 8.1 Stage HR SERIES 3

Hole Size	SLICK			STABILIZED		
	8-1/2 (216 mm)	8-3/4 (222 mm)	9-7/8 (251 mm)	8-1/2 (216 mm)	8-3/4 (222 mm)	9-7/8 (251 mm)
BEND ANGLE	Degrees per 100 Feet (30 m)			Degrees per 100 Feet (30 m)		
0.39	1.97	1.45	-0.86	0.94	1.05	1.54
0.78	4.18	3.66	1.35	3.15	3.04	3.45
1.15	6.28	5.76	3.45	5.54	5.43	5.26
1.50	8.26	7.75	5.43	7.81	7.70	7.21
1.83	10.13	9.62	7.30	9.94	9.83	9.35
2.12	11.77	11.26	8.95	11.82	11.71	11.22
2.38	13.25	12.73	10.42	13.50	13.39	12.90
2.60	14.49	13.98	11.67	14.92	14.81	14.33
2.77	15.46	14.94	12.63	16.02	15.91	15.43
2.90	16.19	15.68	13.37	16.86	16.75	16.27
2.97	16.59	16.08	13.76	17.31	17.21	16.72
3.00	16.76	16.25	13.93	17.51	17.40	16.91

FBH BUILD RATE: 7 in (178 mm) 5-6 Lobe 8.1 Stage HR SERIES 3

Hole Size	SLICK			STABILIZED		
	8-1/2 (216 mm)	8-3/4 (222 mm)	9-7/8 (251 mm)	8-1/2 (216 mm)	8-3/4 (222 mm)	9-7/8 (251 mm)
BEND ANGLE	Degrees per 100 Feet (30 m)			Degrees per 100 Feet (30 m)		
1.25	6.80	6.19	3.46	5.96	5.85	5.98
1.50	8.22	7.61	4.88	7.53	7.42	7.25
1.75	9.63	9.03	6.30	9.10	8.99	8.52
2.00	11.05	10.44	7.72	10.67	10.56	10.08
2.25	12.47	11.86	9.13	12.24	12.14	11.65
2.50	13.88	13.28	10.55	13.82	13.71	13.22

This information is for reference only. Build rates are theoretical calculations using three-point geometry and new motor builds. Actual rate predictions will depend on formation characteristics, bit profiles, and WOB.

For custom motor configurations and build rates, please contact your DYNOMAX office.