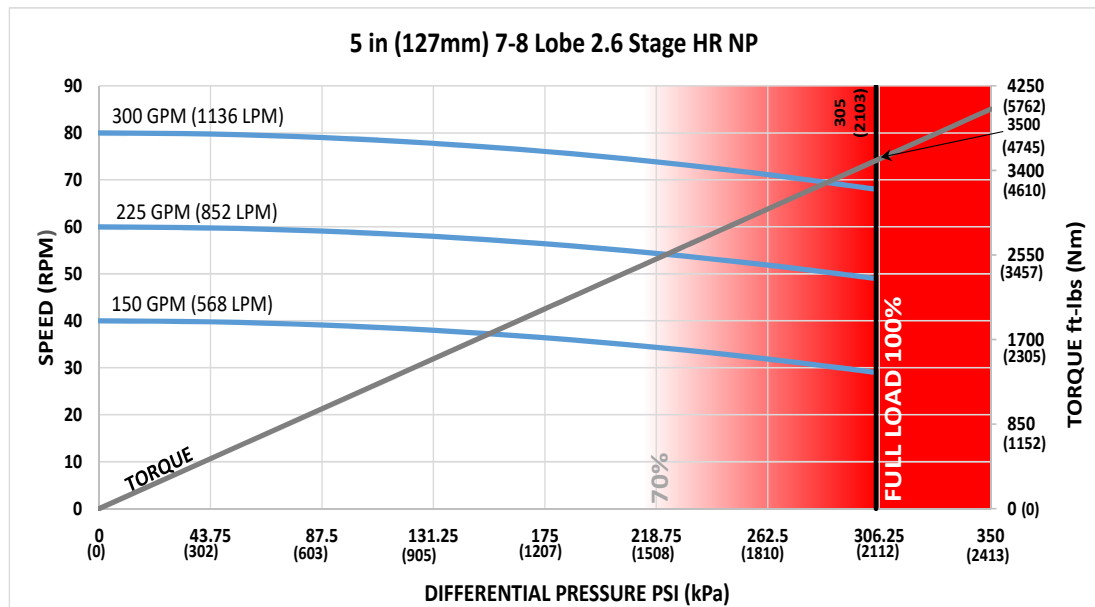




Bit Size Range	5-7/8 - 6-3/4 in	143 - 171 mm
Bit Box Connection	3-1/2 REGULAR	
Dynamic Bearing Load On/Off Bottom	71500 lbf	31800 daN
Static Bearing Load On/Off Bottom	229350 lbf	102000 daN
Max. Overpull (For Re-run)	328000 lbf	145900 daN
Absolute Overpull	546000 lbf	242900 daN
Adjustable Makeup Torque	12000 ft-lbs	16300 Nm
Stab/Thread Protector Makeup Torque	8000 ft-lbs	10800 Nm
A = Bit to Stabilizer (Centre)	16.7 in	424 mm
B = Bit to Bend	Adjustable 56.3 in	1430 mm
	Fixed 45.7 in	1161 mm
C = Overall (With Dump Sub)	302.2 in	7676 mm
Weight	1165 lbs	528 kg

Lobe Configuration	7-8 Lobe 2.6 Stage HR NP	
Displacement (No Load)	0.267 rev/gal	0.07 rev/l
Max. Differential (Full Load)	305 psi	2103 kPa
Max. Torque	3500 ft-lbs	4745 Nm
Max. Power	45 HP	34 kW

Flow Rate		Speed
GPM	LPM	RPM
150	568	29 - 40
225	852	49 - 60
300	1136	68 - 80



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

ADJUSTABLE BUILD RATE

Hole Size	SLICK				STABILIZED			
	5-7/8 (149mm)	6 (152mm)	6-1/8 (156mm)	6-1/4 (159mm)	5-7/8 (149mm)	6 (152mm)	6-1/8 (156mm)	6-1/4 (159mm)
BEND ANGLE	Degrees per 100 Feet (30m)				Degrees per 100 Feet (30m)			
0.39	3.0	2.5	2.0	1.5	3.0	2.5	2.3	2.4
0.78	6.3	5.8	5.3	4.9	6.3	5.8	5.3	5.2
1.15	9.4	8.9	8.5	8.0	9.4	8.9	8.5	8.0
1.50	12.4	11.9	11.4	11.0	12.4	11.9	11.4	11.0
1.83	15.2	14.7	14.2	13.8	15.2	14.7	14.2	13.8
2.12	17.6	17.1	16.7	16.2	17.6	17.1	16.7	16.2
2.38	19.8	19.4	18.9	18.4	19.8	19.4	18.9	18.4
2.60	21.7	21.2	20.7	20.3	21.7	21.2	20.7	20.3
2.77	23.1	22.7	22.2	21.7	23.1	22.7	22.2	21.7
2.90	24.2	23.8	23.3	22.8	24.2	23.8	23.3	22.8
2.97	24.8	24.4	23.9	23.4	24.8	24.4	23.9	23.4
3.00	25.1	24.6	24.1	23.7	25.1	24.6	24.1	23.7

Note: Stabilizers are 1/8" undergauge

FBH BUILD RATE

Hole Size	SLICK				STABILIZED			
	5-7/8 (149mm)	6 (152mm)	6-1/8 (156mm)	6-1/4 (159mm)	5-7/8 (149mm)	6 (152mm)	6-1/8 (156mm)	6-1/4 (159mm)
BEND ANGLE	Degrees per 100 Feet (30m)				Degrees per 100 Feet (30m)			
1.25	10.1	9.5	8.9	8.4	10.1	9.5	8.9	9.0
1.50	12.2	11.6	11.1	10.5	12.2	11.6	11.1	10.9
1.75	14.3	13.7	13.2	12.6	14.3	13.7	13.2	12.8
2.00	16.4	15.9	15.3	14.7	16.4	15.9	15.3	14.7
2.25	18.5	18.0	17.4	16.9	18.5	18.0	17.4	16.9
2.50	20.7	20.1	19.5	19.0	20.7	20.1	19.5	19.0

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.