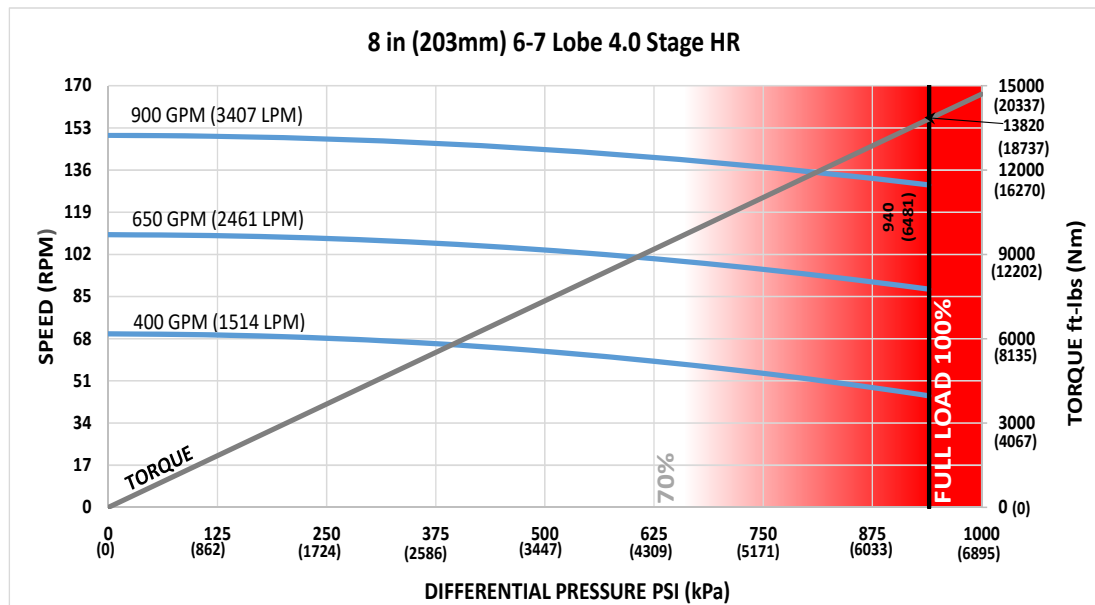




Bit Size Range	9-7/8 - 12-1/4 in	251 - 311 mm
Bit Box Connection	6-5/8 REGULAR	
Dynamic Bearing Load On/Off Bottom	145951 lbf	64900 daN
Static Bearing Load On/Off Bottom	534312 lbf	237700 daN
Max. Overpull (For Re-run)	542500 lbf	241300 daN
Absolute Overpull	904100 lbf	402200 daN
Adjustable Makeup Torque	40000 ft-lbs	54200 Nm
Stab/Thread Protector Makeup Torque	21000 ft-lbs	28500 Nm
A = Bit to Stabilizer (Centre)	23.5 in	597 mm
B = Bit to Bend	Adjustable	74.9 in / 1902 mm
	Fixed	60.3 in / 1532 mm
C = Overall (With Dump Sub)	347.1 in	8816 mm
Weight	3949 lbs	1791 kg

Lobe Configuration	6-7 Lobe 4 Stage HR	
Displacement (No Load)	0.17 rev/gal	0.04 rev/l
Max. Differential (Full Load)	940 psi	6481 kPa
Max. Torque	13820 ft-lbs	18737 Nm
Max. Power	342 HP	255 kW

Flow Rate		Speed
GPM	LPM	RPM
400	1514	45 - 70
650	2461	88 - 110
900	3407	130 - 150



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

ADJUSTABLE BUILD RATE

Hole Size	SLICK				STABILIZED			
	9-7/8 (251mm)	10-5/8 (270mm)	11-1/2 (292mm)	12-1/4 (311mm)	9-7/8 (251mm)	10-5/8 (270mm)	11-1/2 (292mm)	12-1/4 (311mm)
BEND ANGLE	Degrees per 100 Feet (30m)				Degrees per 100 Feet (30m)			
0.39	-	-	-	-	2.7	3.3	-	-
0.78	2.2	0.4	-	-	5.1	5.6	6.3	6.8
1.15	5.0	3.1	1.0	-	7.3	7.9	8.5	9.1
1.50	7.6	5.7	3.6	1.8	9.5	10.0	10.7	11.2
1.83	10.0	8.2	6.0	4.2	11.5	12.0	12.7	13.2
2.12	12.1	10.3	8.2	6.4	13.2	13.8	14.4	15.0
2.38	14.1	12.2	10.1	8.3	14.8	15.4	16.0	16.5
2.60	15.7	13.8	11.7	9.9	16.1	16.7	17.3	17.9
2.77	16.9	15.1	13.0	11.2	17.2	17.7	18.4	18.9
2.90	17.9	16.1	13.9	12.1	18.0	18.5	19.2	19.7
2.97	18.4	16.6	14.5	12.6	18.4	18.9	19.6	20.1
3.00	18.6	16.8	14.7	12.9	18.6	19.1	19.8	20.3

Note: Stabilizers are 1/8" undergauge

FBH BUILD RATE

Hole Size	SLICK				STABILIZED			
	9-7/8 (251mm)	10-5/8 (270mm)	11-1/2 (292mm)	12-1/4 (311mm)	9-7/8 (251mm)	10-5/8 (270mm)	11-1/2 (292mm)	12-1/4 (311mm)
BEND ANGLE	Degrees per 100 Feet (30m)				Degrees per 100 Feet (30m)			
1.25	5.0	2.8	0.2	-	8.4	9.0	9.6	10.1
1.50	6.8	4.6	2.1	-	10.0	10.6	11.2	11.8
1.75	8.7	6.5	3.9	1.7	11.6	12.2	12.8	13.4
2.00	10.5	8.3	5.8	3.6	13.2	13.8	14.4	15.0
2.25	12.4	10.1	7.6	5.4	14.9	15.4	16.0	16.6
2.50	14.2	12.0	9.4	7.3	16.5	17.0	17.7	18.2

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.