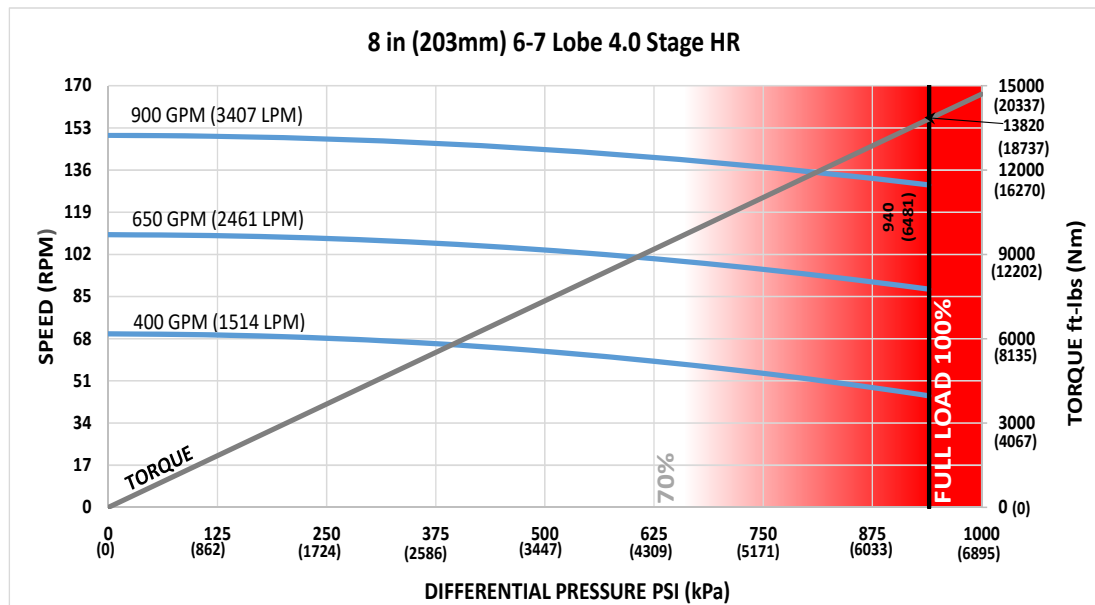




Bit Size Range	9-7/8 - 12-1/4 in	251 - 311 mm
Bit Box Connection	6-5/8 REGULAR	
Dynamic Bearing Load On/Off Bottom	162510 lbf	72300 daN
Static Bearing Load On/Off Bottom	573485 lbf	255100 daN
Max. Overpull (For Re-run)	554100 lbf	246500 daN
Absolute Overpull	923500 lbf	410800 daN
Adjustable Makeup Torque	40000 ft-lbs	54200 Nm
Stab/Thread Protector Makeup Torque	30000 ft-lbs	40700 Nm
A = Bit to Stabilizer (Centre)	19.26 in	489 mm
B = Bit to Bend	Adjustable 87 in	2210 mm
	Fixed 72.3 in	1836 mm
C = Overall (With Dump Sub)	358.7 in	9111 mm
Weight	4199 lbs	1905 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	-	-	-	-	2.4	2.9	-	-
0.78	2.6	1.0	-	-	4.5	5.0	5.6	6.1
1.15	5.2	3.7	1.9	0.3	6.6	7.1	7.6	8.1
1.50	7.7	6.2	4.4	2.8	8.5	9.0	9.6	10.1
1.83	10.1	8.5	6.7	5.2	10.3	10.8	11.4	11.9
2.12	12.1	10.6	8.8	7.2	12.1	12.4	13.0	13.5
2.38	14.0	12.4	10.6	9.1	14.0	13.9	14.5	15.0
2.60	15.5	14.0	12.2	10.7	15.5	15.1	15.7	16.2
2.77	16.8	15.2	13.4	11.9	16.8	16.0	16.6	17.1
2.90	17.7	16.1	14.3	12.8	17.7	16.8	17.3	17.8
2.97	18.2	16.6	14.8	13.3	18.2	17.1	17.7	18.2
3.00	18.4	16.8	15.0	13.5	18.4	17.3	17.9	18.4

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	5.4	3.6	1.5	-	7.5	8.0	8.6	9.1
1.50	7.2	5.4	3.2	1.4	9.0	9.5	10.1	10.6
1.75	9.0	7.1	5.0	3.2	10.5	11.0	11.6	12.1
2.00	10.7	8.9	6.8	5.0	12.0	12.5	13.0	13.5
2.25	12.5	10.7	8.6	6.8	13.4	13.9	14.5	15.0
2.50	14.3	12.5	10.4	8.5	14.9	15.4	16.0	16.5

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.