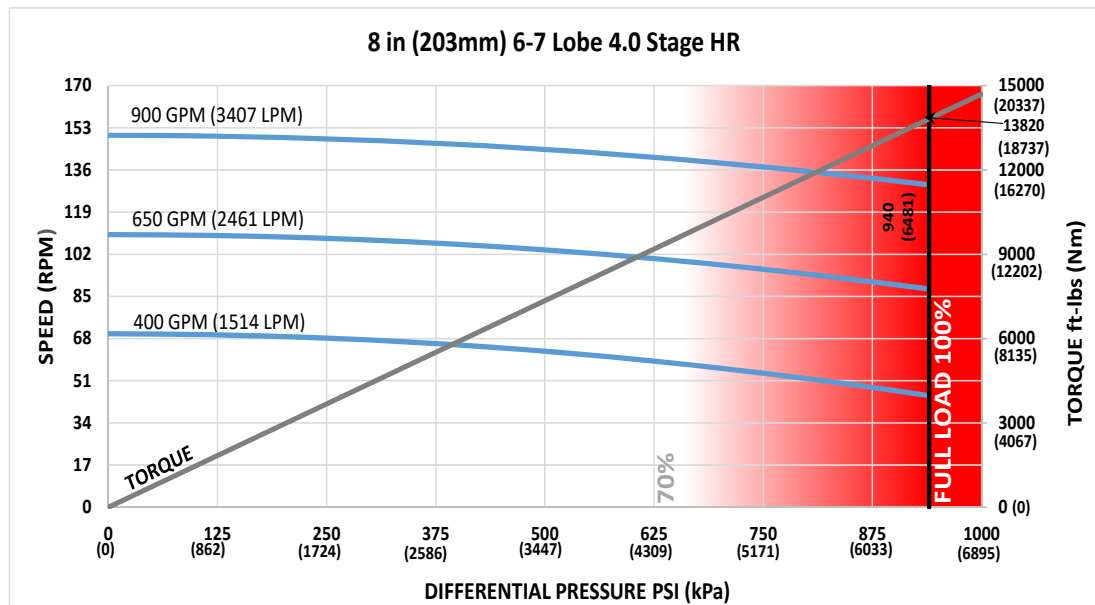




Bit Size Range	12-1/4 - 17-1/2 in	311 - 445 mm
Bit Box Connection	6-5/8 or 7-5/8 REGULAR	
Dynamic Bearing Load On/Off Bottom	240975 lbf	107200 daN
Static Bearing Load On/Off Bottom	852600 lbf	379300 daN
Max. Overpull (For Re-run)	741100 lbf	329700 daN
Absolute Overpull	1235100 lbf	549400 daN
Adjustable Makeup Torque	60000 ft-lbs	81300 Nm
Stab/Thread Protector Makeup Torque	38000 ft-lbs	51500 Nm
A = Bit to Stabilizer (Centre)	20.2 in	513 mm
B = Bit to Bend	Adjustable	87.3 in / 2217 mm
	Fixed	72.7 in / 1847 mm
C = Overall (With Dump Sub)	364.7 in	9263 mm
Weight	4836 lbs	2194 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			
	12-1/4 (311mm)	14 (356mm)	16 (406mm)	17-1/2 (445mm)	12-1/4 (311mm)	14 (356mm)	16 (406mm)	17-1/2 (445mm)
BEND ANGLE	Degrees per 100 Feet (30m)				Degrees per 100 Feet (30m)			
0.39	0.1	-	-	-	3.9	5.0	-	-
0.78	2.8	-	-	-	6.0	7.2	8.5	9.4
1.15	5.4	2.0	-	-	8.1	9.2	10.5	11.4
1.50	7.9	4.5	0.6	-	10.0	11.1	12.4	13.4
1.83	10.2	6.8	2.9	-	11.8	12.9	14.2	15.2
2.12	12.2	8.8	4.9	2.0	13.4	14.5	15.8	16.7
2.38	14.0	10.6	6.7	3.8	14.8	15.9	17.2	18.2
2.60	15.5	12.1	8.2	5.3	16.0	17.1	18.4	19.4
2.77	16.7	13.3	9.4	6.5	16.9	18.0	19.3	20.3
2.90	17.6	14.2	10.3	7.4	17.6	18.7	20.0	21.0
2.97	18.1	14.7	10.8	7.9	18.1	19.1	20.4	21.4
3.00	18.3	14.9	11.0	8.1	18.3	19.3	20.6	21.5

Note: Stabilizers are 1/8" undergauge

FBH BUILD RATE

Hole Size	SLICK				STABILIZED			
	12-1/4 (311mm)	14 (356mm)	16 (406mm)	17-1/2 (445mm)	12-1/4 (311mm)	14 (356mm)	16 (406mm)	17-1/2 (445mm)
BEND ANGLE	Degrees per 100 Feet (30m)				Degrees per 100 Feet (30m)			
1.25	5.9	1.9	-	-	9.0	10.1	11.4	12.4
1.50	7.6	3.7	-	-	10.5	11.6	12.9	13.8
1.75	9.4	5.4	0.9	-	11.9	13.0	14.3	15.3
2.00	11.1	7.1	2.6	-	13.4	14.5	15.8	16.7
2.25	12.9	8.9	4.3	0.9	14.8	15.9	17.2	18.2
2.50	14.6	10.6	6.1	2.7	16.2	17.4	18.7	19.6

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.