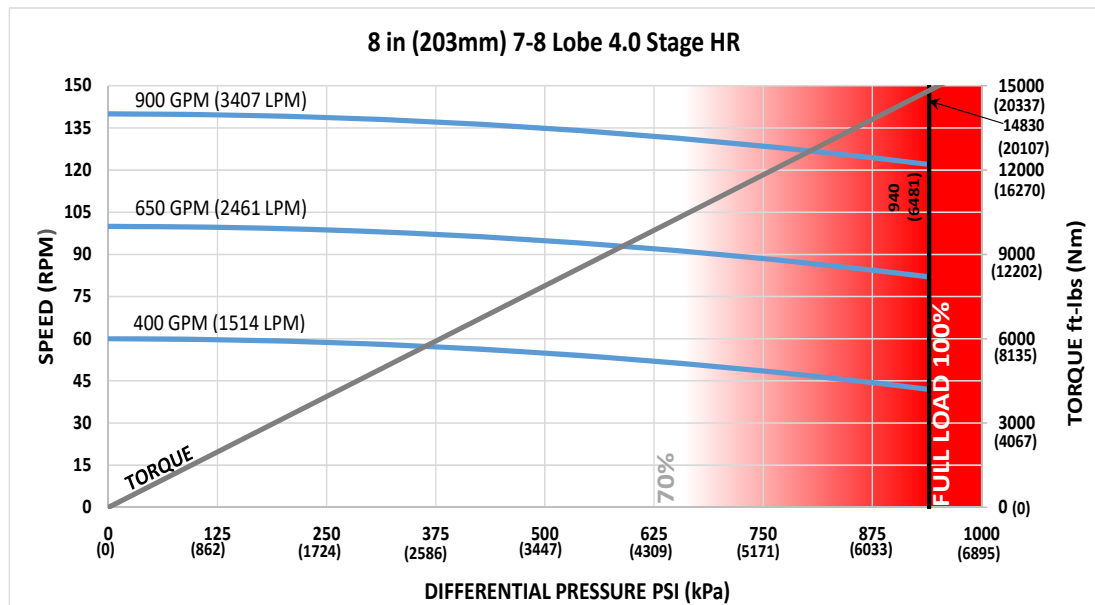




Bit Size Range	12-1/4 - 17-1/2 in	311 - 445 mm
Bit Box Connection	6-5/8 or 7-5/8 REGULAR	
Dynamic Bearing Load On/Off Bottom	240975 lbf	107200 daN
Static Bearing Load On/Off Bottom	852600 lbf	379300 daN
Max. Overpull (For Re-run)	741100 lbf	329700 daN
Absolute Overpull	1235100 lbf	549400 daN
Adjustable 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)	361.95 in	9194 mm
Weight	4948 lbs	2244 kg

Lobe Configuration	7-8 Lobe 4 Stage HR	
Displacement (No Load)	0.16 rev/gal	0.04 rev/l
Max. Differential (Full Load)	940 psi	6481 kPa
Max. Torque	14830 ft-lbs	20107 Nm
Max. Power	344 HP	257 kW

Flow Rate		Speed
GPM	LPM	RPM
400	1514	42 - 60
650	2461	82 - 100
900	3407	122 - 140



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	0.2	-	-	-	4.0	5.1	-	-
0.78	2.9	-	-	-	6.1	7.3	8.6	9.5
1.15	5.5	2.0	-	-	8.1	9.3	10.6	11.6
1.50	7.9	4.5	0.6	-	10.1	11.2	12.5	13.5
1.83	10.3	6.8	2.9	-	11.9	13.0	14.3	15.3
2.12	12.3	8.9	4.9	2.0	13.5	14.6	15.9	16.9
2.38	14.1	10.7	6.8	3.8	14.9	16.0	17.3	18.3
2.60	15.7	12.2	8.3	5.4	16.1	17.2	18.5	19.5
2.77	16.9	13.4	9.5	6.6	17.0	18.2	19.5	20.5
2.90	17.8	14.3	10.4	7.5	17.8	18.9	20.2	21.2
2.97	18.3	14.8	10.9	8.0	18.3	19.3	20.6	21.6
3.00	18.5	15.0	11.1	8.2	18.5	19.4	20.7	21.7

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	6.0	1.9	-	-	9.1	10.2	11.6	12.5
1.50	7.7	3.7	-	-	10.6	11.7	13.0	14.0
1.75	9.5	5.5	0.9	-	12.0	13.2	14.5	15.5
2.00	11.2	7.2	2.6	-	13.5	14.6	15.9	16.9
2.25	13.0	9.0	4.4	1.0	14.9	16.1	17.4	18.4
2.50	14.7	10.7	6.1	2.7	16.4	17.5	18.8	19.8

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.