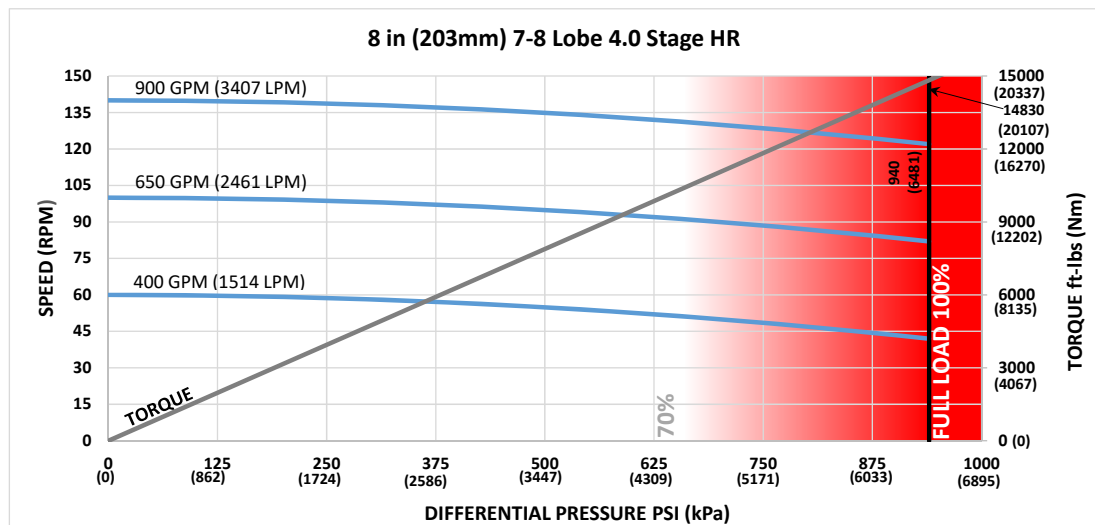


Bit Size Range	12-1/4 - 17-1/2 in	311 - 445 mm
Bit Box Connection	6-5/8 or 7-5/8 REGULAR	
Dynamic Bearing Load On/Off Bottom	188513 lbf	83900 daN
Static Bearing Load On/Off Bottom	1092750 lbf	486100 daN
Max. Overpull (For Re-run)	721400 lbf	320900 daN
Absolute Overpull	1202300 lbf	534800 daN
Adjustable Makeup Torque	60000 ft-lbs	81300 Nm
Stab/Thread Protector Makeup Torque	38000 ft-lbs	51500 Nm
A = Bit to Stabilizer (Centre)	22.5 in	572 mm
B = Bit to Bend	Adjustable	87.3 in
	Fixed	87.3 in
C = Overall (With Dump Sub)	362.25 in	9201 mm
Weight	4917 lbs	2230 kg

Lobe Configuration	7-8 Lobe 4.0 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	5.2	-	-
0.78	2.9	-	-	-	6.2	7.3	8.7	9.7
1.15	5.5	2.0	-	-	8.2	9.4	10.7	11.7
1.50	7.9	4.5	0.6	-	10.2	11.3	12.6	13.6
1.83	10.3	6.8	2.9	-	12.0	13.1	14.5	15.5
2.12	12.3	8.9	4.9	2.0	13.6	14.7	16.1	17.1
2.38	14.1	10.7	6.8	3.8	15.0	16.2	17.5	18.5
2.60	15.7	12.2	8.3	5.4	16.2	17.4	18.7	19.7
2.77	16.8	13.4	9.5	6.5	17.2	18.3	19.7	20.6
2.90	17.8	14.3	10.4	7.5	17.9	19.1	20.4	21.4
2.97	18.2	14.8	10.9	8.0	18.3	19.4	20.8	21.7
3.00	18.5	15.0	11.1	8.2	18.5	19.6	20.9	21.9

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	6.7	3.3	-	-	8.8	9.9	11.3	12.3
1.50	8.4	5.0	1.1	-	10.2	11.3	12.6	13.6
1.75	10.2	6.8	2.8	-	11.6	12.7	14.0	15.0
2.00	11.9	8.5	4.6	1.6	12.9	14.1	15.4	16.4
2.25	13.7	10.3	6.3	3.4	14.3	15.5	16.8	17.8
2.50	15.5	12.0	8.1	5.2	15.7	16.8	18.2	19.2

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.