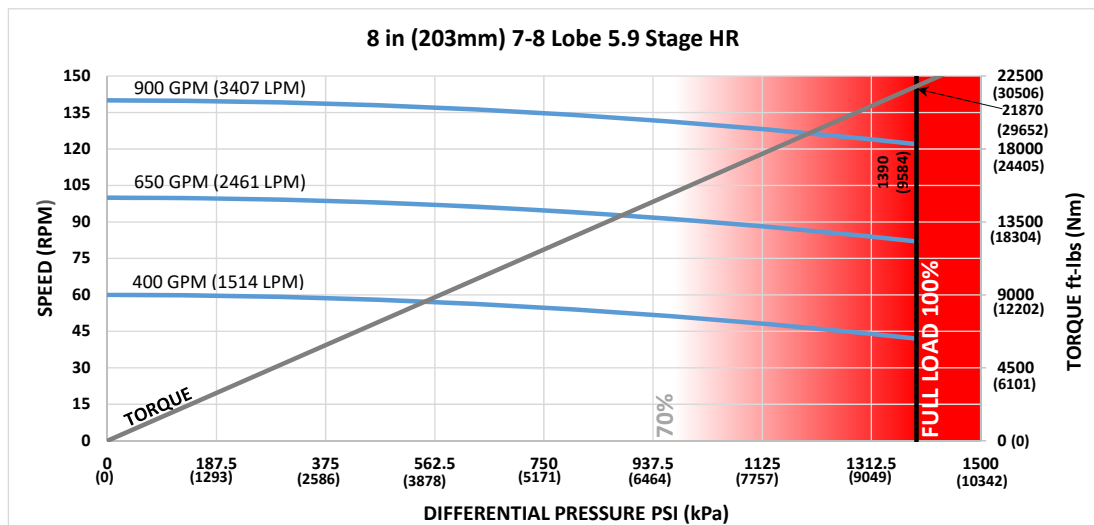




Bit Size Range	12-1/4 - 17-1/2 in	311 - 445 mm
Bit Box Connection	6-5/8 or 7-5/8 REGULAR	
Dynamic Bearing Load On/Off Bottom	188513 lbf	83900 daN
Static Bearing Load On/Off Bottom	1092750 lbf	486100 daN
Max. Overpull (For Re-run)	721400 lbf	320900 daN
Absolute Overpull	1202300 lbf	534800 daN
Adjustable 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 / 2217 mm
	Fixed	87.3 in / 2217 mm
C = Overall (With Dump Sub)	459 in	11659 mm
Weight	5927 lbs	2688 kg

Lobe Configuration	7-8 Lobe 5.9 Stage HR	
Displacement (No Load)	0.16 rev/gal	0.04 rev/l
Max. Differential (Full Load)	1390 psi	9584 kPa
Max. Torque	21870 ft-lbs	29652 Nm
Max. Power	508 HP	379 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	-	-	-	-	2.8	3.5	-	-
0.78	1.9	-	-	-	4.6	5.3	6.0	6.6
1.15	3.9	1.2	-	-	6.3	6.9	7.7	8.3
1.50	5.8	3.2	0.1	-	7.9	8.6	9.3	9.9
1.83	7.6	5.0	1.9	-	9.4	10.1	10.8	11.4
2.12	9.2	6.5	3.5	1.2	10.7	11.4	12.2	12.8
2.38	10.6	8.0	4.9	2.6	11.9	12.6	13.4	14.0
2.60	11.8	9.2	6.1	3.8	12.9	13.6	14.4	15.0
2.77	12.8	10.1	7.0	4.8	13.7	14.4	15.2	15.7
2.90	13.5	10.8	7.8	5.5	14.3	15.0	15.8	16.3
2.97	13.9	11.2	8.1	5.8	14.6	15.3	16.1	16.7
3.00	14.0	11.4	8.3	6.0	14.7	15.4	16.2	16.8

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	4.8	2.1	-	-	6.7	7.4	8.2	8.8
1.50	6.2	3.5	0.5	-	7.9	8.6	9.3	9.9
1.75	7.6	4.9	1.8	-	9.0	9.7	10.5	11.1
2.00	8.9	6.3	3.2	0.9	10.2	10.8	11.6	12.2
2.25	10.3	7.6	4.6	2.3	11.3	12.0	12.8	13.4
2.50	11.7	9.0	5.9	3.6	12.5	13.1	13.9	14.5

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.