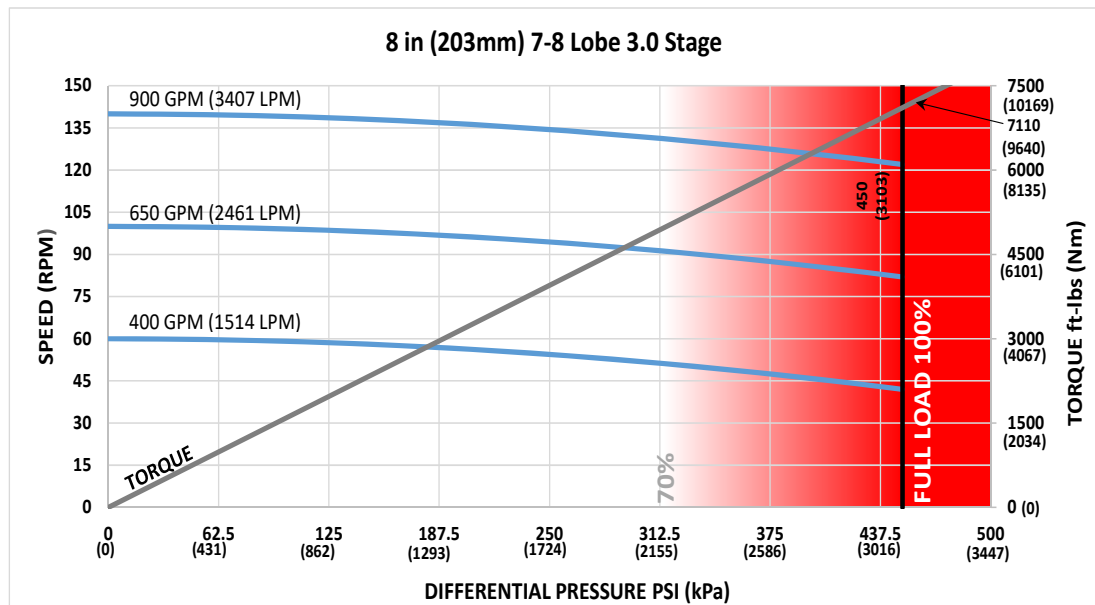




Bit Size Range	9-7/8 - 12-1/4 in	251 - 311 mm
Bit Box Connection	6-5/8 REGULAR	
Dynamic Bearing Load On/Off Bottom	145951 lbf	64900 daN
Static Bearing Load On/Off Bottom	534312 lbf	237700 daN
Max. Overpull (For Re-run)	542500 lbf	241300 daN
Absolute Overpull	904100 lbf	402200 daN
Adjustable Makeup Torque	40000 ft-lbs	54200 Nm
Stab/Thread Protector Makeup Torque	21000 ft-lbs	28500 Nm
A = Bit to Stabilizer (Centre)	23.5 in	597 mm
B = Bit to Bend	Adjustable	74.9 in / 1902 mm
	Fixed	60.3 in / 1532 mm
C = Overall (With Dump Sub)	301.1 in	7648 mm
Weight	3590 lbs	1628 kg

Lobe Configuration	7-8 Lobe 3 Stage	
Displacement (No Load)	0.16 rev/gal	0.04 rev/l
Max. Differential (Full Load)	450 psi	3103 kPa
Max. Torque	7110 ft-lbs	9640 Nm
Max. Power	165 HP	123 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			
	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	-	-	-	-	3.3	4.1	-	-
0.78	2.6	0.5	-	-	5.9	6.7	7.6	8.3
1.15	5.8	3.7	1.2	-	8.5	9.2	10.1	10.9
1.50	8.8	6.7	4.2	2.1	10.8	11.6	12.5	13.2
1.83	11.7	9.5	7.1	4.9	13.1	13.8	14.7	15.5
2.12	14.2	12.0	9.6	7.4	15.0	15.8	16.7	17.4
2.38	16.4	14.3	11.8	9.7	16.8	17.6	18.4	19.2
2.60	18.3	16.2	13.7	11.6	18.3	19.1	19.9	20.7
2.77	19.8	17.6	15.2	13.0	19.8	20.2	21.1	21.9
2.90	20.9	18.7	16.3	14.1	20.9	21.1	22.0	22.7
2.97	21.5	19.3	16.9	14.8	21.5	21.6	22.5	23.2
3.00	21.7	19.6	17.1	15.0	21.7	21.8	22.7	23.4

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	5.8	3.2	0.3	-	9.8	10.5	11.4	12.2
1.50	8.0	5.4	2.4	-	11.6	12.4	13.2	14.0
1.75	10.1	7.5	4.6	2.0	13.4	14.2	15.1	15.8
2.00	12.3	9.7	6.7	4.2	15.3	16.0	16.9	17.7
2.25	14.4	11.8	8.9	6.3	17.1	17.8	18.7	19.5
2.50	16.6	14.0	11.0	8.5	18.9	19.7	20.5	21.3

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.