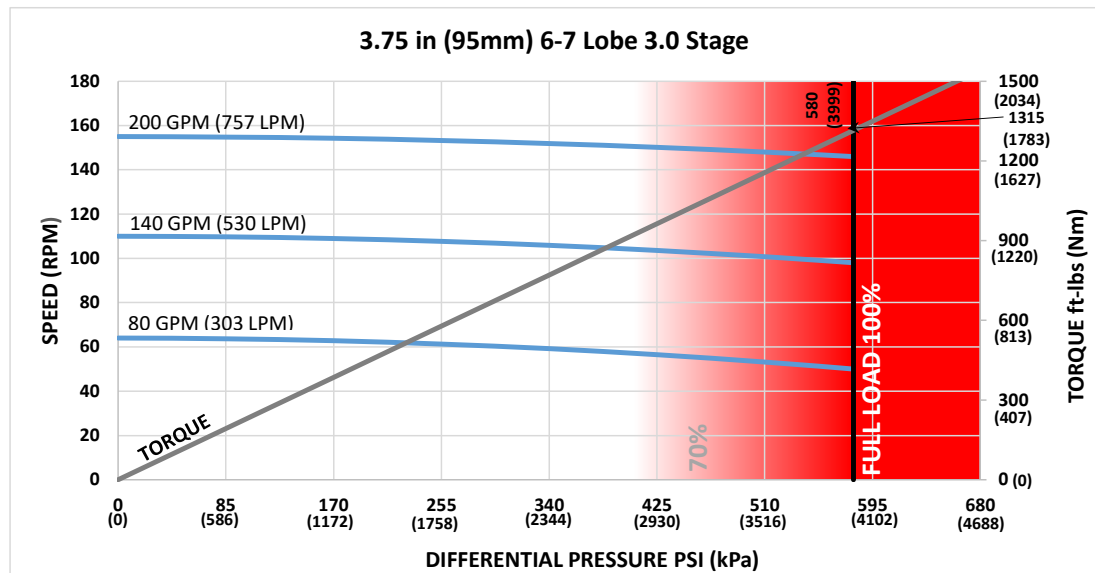




Bit Size Range	4-3/4 - 5-7/8 in	121 - 149 mm
Bit Box Connection	2-7/8 REGULAR	
Dynamic Bearing Load On/Off Bottom	31850 lbf	14200 daN
Static Bearing Load On/Off Bottom	104100 lbf	46300 daN
Max. Overpull (For Re-run)	154100 lbf	68500 daN
Absolute Overpull	256800 lbf	114200 daN
Adjustable Makeup Torque	3500 ft-lbs	4700 Nm
Stab/Thread Protector Makeup Torque	3500 ft-lbs	4700 Nm
A = Bit to Stabilizer (Centre)	10 in	254 mm
B = Bit to Bend	Adjustable	50.6 in / 1285 mm
	Fixed	41.5 in / 1054 mm
C = Overall (With Dump Sub)	253.7 in	6444 mm
Weight	461 lbs	209 kg

Lobe Configuration	6-7 Lobe 3.0 Stage	
Displacement (No Load)	0.69 rev/gal	0.18 rev/l
Max. Differential (Full Load)	580 psi	3999 kPa
Max. Torque	1315 ft-lbs	1783 Nm
Max. Power	37 HP	27 kW

Flow Rate		Speed
GPM	LPM	RPM
80	303	50 - 64
140	530	98 - 110
200	757	146 - 155



Possible damage may occur when motor is run higher than 70% of Maximum Differential Pressure.

ADJUSTABLE BUILD RATE

Hole Size	SLICK				STABILIZED			
	4-3/4 (121mm)	5 (127mm)	5-1/4 (133mm)	5-7/8 (149mm)	4-3/4 (121mm)	5 (127mm)	5-1/4 (133mm)	5-7/8 (149mm)
BEND ANGLE	Degrees per 100 Feet (30m)				Degrees per 100 Feet (30m)			
0.39	0.6	-	-	-	2.2	2.5	2.9	-
0.78	4.5	3.2	2.0	-	5.4	5.7	6.0	6.8
1.15	8.1	6.9	5.7	2.6	8.4	8.7	9.0	9.8
1.50	11.6	10.4	9.1	6.1	11.6	11.6	11.9	12.7
1.83	14.9	13.6	12.4	9.3	14.9	14.3	14.6	15.4
2.12	17.8	16.5	15.3	12.2	17.8	16.6	16.9	17.7
2.38	20.3	19.1	17.9	14.8	20.3	19.1	19.0	19.8
2.60	22.5	21.3	20.1	17.0	22.5	21.3	20.8	21.6
2.77	24.2	23.0	21.8	18.7	24.2	23.0	22.2	23.0
2.90	25.5	24.3	23.0	20.0	25.5	24.3	23.3	24.1
2.97	26.2	25.0	23.7	20.7	26.2	25.0	23.8	24.6
3.00	26.5	25.3	24.0	21.0	26.5	25.3	24.1	24.9

Note: Stabilizers are 1/8" undergauge

FBH BUILD RATE

Hole Size	SLICK				STABILIZED			
	4-3/4 (121mm)	5 (127mm)	5-1/4 (133mm)	5-7/8 (149mm)	4-3/4 (121mm)	5 (127mm)	5-1/4 (133mm)	5-7/8 (149mm)
BEND ANGLE	Degrees per 100 Feet (30m)				Degrees per 100 Feet (30m)			
1.25	8.4	7.0	5.5	1.8	9.7	10.0	10.4	11.2
1.50	10.9	9.4	8.0	4.3	11.9	12.2	12.5	13.3
1.75	13.4	11.9	10.5	6.8	14.0	14.3	14.6	15.4
2.00	15.9	14.4	12.9	9.3	16.1	16.4	16.8	17.6
2.25	18.3	16.9	15.4	11.8	18.3	18.6	18.9	19.7
2.50	20.8	19.4	17.9	14.3	20.8	20.7	21.0	21.8

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.