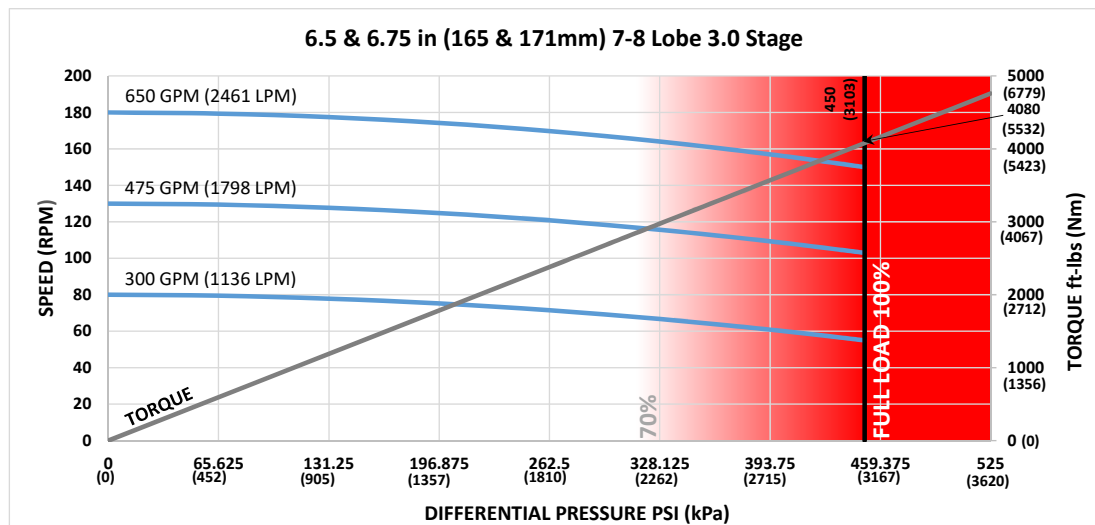




Bit Size Range	7-7/8 - 9-7/8 in	200 - 251 mm
Bit Box Connection	4-1/2 REGULAR	
Dynamic Bearing Load On/Off Bottom	94460 lbf	42000 daN
Static Bearing Load On/Off Bottom	425874 lbf	189400 daN
Max. Overpull (For Re-run)	376900 lbf	167700 daN
Absolute Overpull	628200 lbf	279400 daN
Adjustable Makeup Torque	25000 ft-lbs	33900 Nm
Stab/Thread Protector Makeup Torque	12000 ft-lbs	16300 Nm
A = Bit to Stabilizer (Centre)	17.61 in	447 mm
B = Bit to Bend	Adjustable	67.87 in
	Fixed	52.98 in
C = Overall (With Dump Sub)	247.76 in	6293 mm
Weight	1475 lbs	669 kg

Lobe Configuration	7-8 Lobe 3.0 Stage	
Displacement (No Load)	0.27 rev/gal	0.07 rev/l
Max. Differential (Full Load)	450 psi	3103 kPa
Max. Torque	4080 ft-lbs	5532 Nm
Max. Power	117 HP	87 kW

Flow Rate		Speed
GPM	LPM	RPM
300	1136	55 - 80
475	1798	103 - 130
650	2461	150 - 180



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

ADJUSTABLE BUILD RATE

Hole Size	SLICK				STABILIZED			
	7-7/8 (200mm)	8-1/2 (216mm)	8-3/4 (222mm)	9-7/8 (251mm)	##-#/## (## mm)	##-#/## (## mm)	##-#/## (## mm)	##-#/## (## mm)
BEND ANGLE	Degrees per 100 Feet (30 m)				Degrees per 100 Feet (30 m)			
0.39	0.4	-	-	-	2.9	3.8	4.2	-
0.78	4.5	2.1	1.2	-	5.9	6.9	7.2	8.9
1.15	8.3	6.0	5.0	0.8	8.8	9.8	10.1	11.8
1.50	12.0	9.6	8.7	4.4	12.0	12.5	12.9	14.5
1.83	15.4	13.1	12.1	7.9	15.4	15.1	15.5	17.1
2.12	18.5	16.1	15.2	10.9	18.5	17.4	17.7	19.4
2.38	21.2	18.8	17.9	13.6	21.2	19.4	19.8	21.4
2.60	23.5	21.1	20.2	15.9	23.5	21.1	21.5	23.2
2.77	25.3	22.9	21.9	17.7	25.3	22.9	22.8	24.5
2.90	26.6	24.3	23.3	19.0	26.6	24.3	23.8	25.5
2.97	27.4	25.0	24.0	19.8	27.4	25.0	24.4	26.1
3.00	27.7	25.3	24.4	20.1	27.7	25.3	24.6	26.3

Note: Stabilizers are 1/8" undergauge

FBH BUILD RATE

Hole Size	SLICK				STABILIZED			
	7-7/8 (200mm)	8-1/2 (216mm)	8-3/4 (222mm)	9-7/8 (251mm)	7-7/8 (200mm)	8-1/2 (216mm)	8-3/4 (222mm)	9-7/8 (251mm)
BEND ANGLE	Degrees per 100 Feet (30 m)				Degrees per 100 Feet (30 m)			
1.25	8.6	5.6	4.5	-	10.6	11.5	11.9	13.5
1.50	11.2	8.3	7.1	1.8	12.7	13.7	14.0	15.7
1.75	13.8	10.9	9.7	4.4	14.9	15.8	16.2	17.9
2.00	16.4	13.5	12.3	7.1	17.0	18.0	18.3	20.0
2.25	19.0	16.1	14.9	9.7	19.2	20.1	20.5	22.2
2.50	21.6	18.7	17.5	12.3	21.6	22.3	22.6	24.3

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.