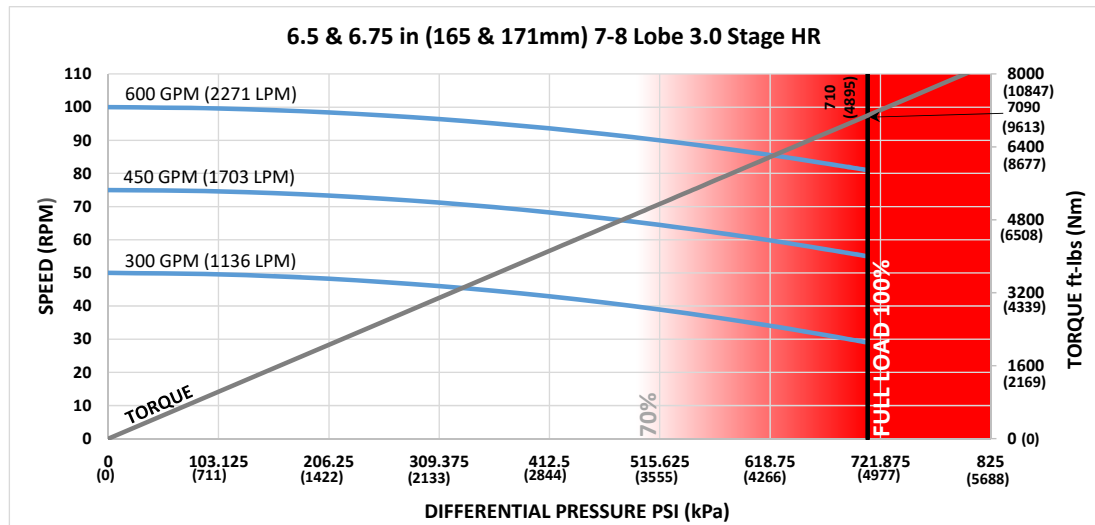


Bit Size Range	7-7/8 - 9-7/8 in	200 - 251 mm
Bit Box Connection	4-1/2 REGULAR	
Dynamic Bearing Load On/Off Bottom	94460 lbf	42000 daN
Static Bearing Load On/Off Bottom	425874 lbf	189400 daN
Max. Overpull (For Re-run)	376900 lbf	167700 daN
Absolute Overpull	628200 lbf	279400 daN
Adjustable Makeup Torque	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)	326.76 in	8300 mm
Weight	2093 lbs	949 kg

Lobe Configuration	7-8 Lobe 3.0 Stage HR	
Displacement (No Load)	0.16 rev/gal	0.04 rev/l
Max. Differential (Full Load)	710 psi	4895 kPa
Max. Torque	7090 ft-lbs	9613 Nm
Max. Power	109 HP	82 kW

Flow Rate		Speed
GPM	LPM	RPM
300	1136	29 - 50
450	1703	55 - 75
600	2271	81 - 100



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	0.3	-	-	-	2.1	2.6	2.8	-
0.78	3.4	1.6	0.9	-	4.6	5.1	5.3	6.2
1.15	6.2	4.5	3.8	0.6	7.0	7.5	7.7	8.6
1.50	9.0	7.2	6.5	3.3	9.2	9.7	9.9	10.8
1.83	11.5	9.8	9.1	5.9	11.5	11.8	12.0	12.9
2.12	13.8	12.0	11.3	8.1	13.8	13.6	13.8	14.7
2.38	15.8	14.0	13.3	10.2	15.8	15.3	15.5	16.4
2.60	17.5	15.7	15.0	11.9	17.5	16.7	16.9	17.8
2.77	18.8	17.1	16.4	13.2	18.8	17.8	18.0	18.9
2.90	19.8	18.1	17.4	14.2	19.8	18.6	18.8	19.7
2.97	20.4	18.6	17.9	14.7	20.4	19.1	19.3	20.2
3.00	20.6	18.9	18.2	15.0	20.6	19.3	19.5	20.4

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	6.4	4.2	3.4	-	8.1	8.6	8.8	9.7
1.50	8.3	6.2	5.3	1.4	9.8	10.3	10.5	11.4
1.75	10.3	8.1	7.2	3.3	11.5	12.0	12.2	13.1
2.00	12.2	10.1	9.2	5.3	13.2	13.7	13.9	14.8
2.25	14.2	12.0	11.1	7.2	14.9	15.4	15.6	16.5
2.50	16.1	13.9	13.1	9.2	16.6	17.1	17.3	18.2

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.