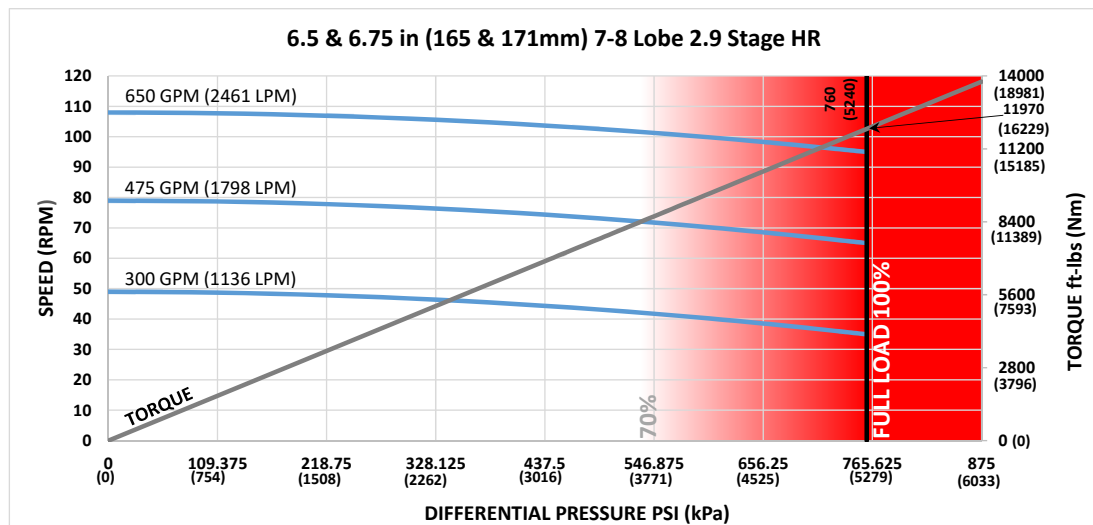




Bit Size Range	7-7/8 - 9-7/8 in	200 - 251 mm
Bit Box Connection	4-1/2 REGULAR	
Dynamic Bearing Load On/Off Bottom	94460 lbf	42000 daN
Static Bearing Load On/Off Bottom	425874 lbf	189400 daN
Max. Overpull (For Re-run)	376900 lbf	167700 daN
Absolute Overpull	628200 lbf	279400 daN
Adjustable Makeup Torque	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	1724 mm 1346 mm
C = Overall (With Dump Sub)	342.76 in	8706 mm
Weight	2063 lbs	936 kg

Lobe Configuration	7-8 Lobe 2.9 Stage HR	
Displacement (No Load)	0.17 rev/gal	0.04 rev/l
Max. Differential (Full Load)	760 psi	5240 kPa
Max. Torque	11970 ft-lbs	16229 Nm
Max. Power	217 HP	161 kW

Flow Rate		Speed
GPM	LPM	RPM
300	1136	35 - 49
475	1798	65 - 79
650	2461	95 - 108



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	-	-	-	2.0	2.5	2.6	-
0.78	3.2	1.5	0.9	-	4.4	4.8	5.0	5.8
1.15	5.9	4.3	3.6	0.6	6.7	7.1	7.3	8.1
1.50	8.5	6.8	6.2	3.2	8.8	9.3	9.4	10.2
1.83	11.0	9.3	8.6	5.6	11.0	11.3	11.5	12.3
2.12	13.1	11.4	10.8	7.7	13.1	13.1	13.3	14.1
2.38	15.0	13.3	12.7	9.7	15.0	14.7	14.8	15.6
2.60	16.7	15.0	14.3	11.3	16.7	16.0	16.2	17.0
2.77	17.9	16.2	15.6	12.5	17.9	17.1	17.2	18.0
2.90	18.9	17.2	16.5	13.5	18.9	17.9	18.0	18.8
2.97	19.4	17.7	17.0	14.0	19.4	18.3	18.5	19.3
3.00	19.6	17.9	17.3	14.2	19.6	18.5	18.6	19.5

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	6.1	4.0	3.2	-	7.8	8.2	8.4	9.2
1.50	7.9	5.9	5.0	1.3	9.4	9.8	10.0	10.8
1.75	9.8	7.7	6.9	3.2	11.0	11.5	11.6	12.4
2.00	11.6	9.6	8.7	5.0	12.6	13.1	13.3	14.1
2.25	13.5	11.4	10.6	6.9	14.3	14.7	14.9	15.7
2.50	15.3	13.3	12.4	8.7	15.9	16.3	16.5	17.3

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.