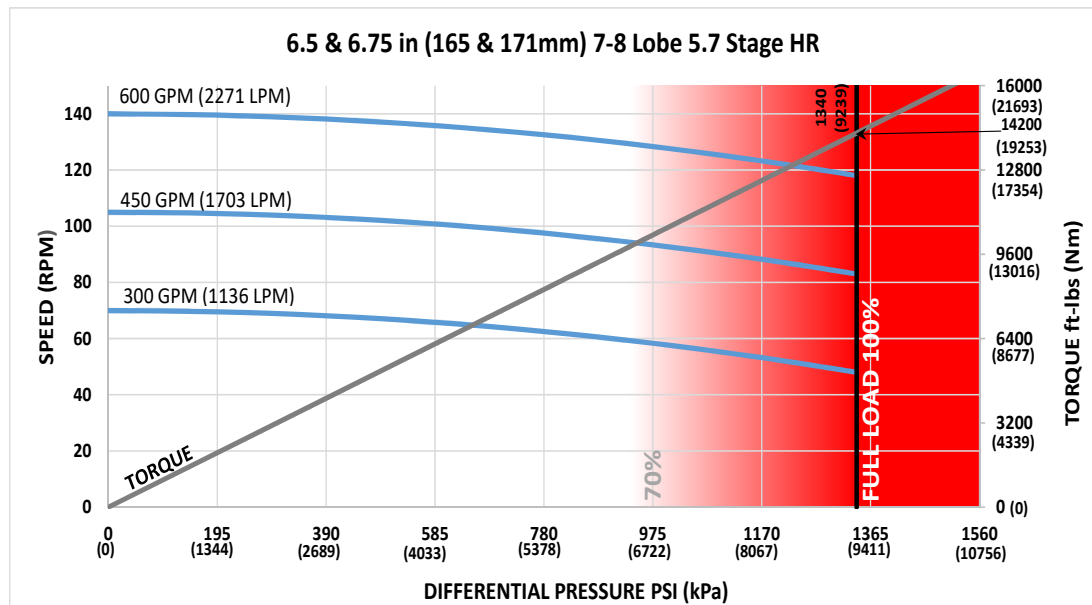




Bit Size Range	8-1/2 - 9-7/8 in	216 - 251 mm
Bit Box Connection	4-1/2 REGULAR	
Dynamic Bearing Load On/Off Bottom	162100 lbf	72100 daN
Static Bearing Load On/Off Bottom	510500 lbf	227100 daN
Max. Overpull (For Re-run)	602600 lbf	268000 daN
Absolute Overpull	1004400 lbf	446800 daN
Adjustable Makeup Torque	25000 ft-lbs	33900 Nm
Stab/Thread Protector Makeup Torque	15000 ft-lbs	20300 Nm
A = Bit to Stabilizer (Centre)	17.2 in	437 mm
B = Bit to Bend	Adjustable	66 in / 1676 mm
	Fixed	54 in / 1372 mm
C = Overall (With Dump Sub)	381.1 in	9680 mm
Weight	2983 lbs	1353 kg

Lobe Configuration	7-8 Lobe 5.7 Stage HR	
Displacement (No Load)	0.23 rev/gal	0.06 rev/l
Max. Differential (Full Load)	1340 psi	9239 kPa
Max. Torque	14200 ft-lbs	19253 Nm
Max. Power	319 HP	238 kW

Flow Rate		Speed
GPM	LPM	RPM
300	1136	48 - 70
450	1703	83 - 105
600	2271	118 - 140



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

ADJUSTABLE BUILD RATE

Hole Size	SLICK				STABILIZED			
	8-1/2 (216mm)	8-3/4 (222mm)	9-7/8 (251mm)	-	8-1/2 (216mm)	8-3/4 (222mm)	9-7/8 (251mm)	-
BEND ANGLE	Degrees per 100 Feet (30m)				Degrees per 100 Feet (30m)			
0.39	0.1	-	-	-	2.1	2.3	-	-
0.78	2.6	2.0	-	-	4.3	4.5	5.1	-
1.15	5.1	4.4	1.7	-	6.4	6.5	7.2	-
1.50	7.4	6.7	4.0	-	8.4	8.5	9.1	-
1.83	9.5	8.9	6.2	-	10.2	10.3	11.0	-
2.12	11.4	10.8	8.1	-	11.8	12.0	12.6	-
2.38	13.1	12.5	9.8	-	13.3	13.4	14.0	-
2.60	14.6	14.0	11.2	-	14.6	14.7	15.3	-
2.77	15.7	15.1	12.3	-	15.7	15.6	16.2	-
2.90	16.5	15.9	13.2	-	16.5	16.3	17.0	-
2.97	17.0	16.4	13.6	-	17.0	16.7	17.4	-
3.00	17.2	16.6	13.8	-	17.2	16.9	17.5	-

Note: Stabilizers are 1/8" undergauge

FBH BUILD RATE

Hole Size	SLICK				STABILIZED			
	8-1/2 (216mm)	8-3/4 (222mm)	9-7/8 (251mm)	-	8-1/2 (216mm)	8-3/4 (222mm)	9-7/8 (251mm)	-
BEND ANGLE	Degrees per 100 Feet (30m)				Degrees per 100 Feet (30m)			
1.25	5.2	4.5	1.2	-	7.2	7.4	8.0	-
1.50	6.8	6.1	2.9	-	8.7	8.8	9.5	-
1.75	8.5	7.8	4.5	-	10.2	10.3	10.9	-
2.00	10.1	9.4	6.1	-	11.6	11.8	12.4	-
2.25	11.8	11.0	7.8	-	13.1	13.2	13.8	-
2.38	12.6	11.9	8.6	-	13.8	14.0	14.6	-
2.50	13.4	12.7	9.4	-	14.5	14.7	15.3	-

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.