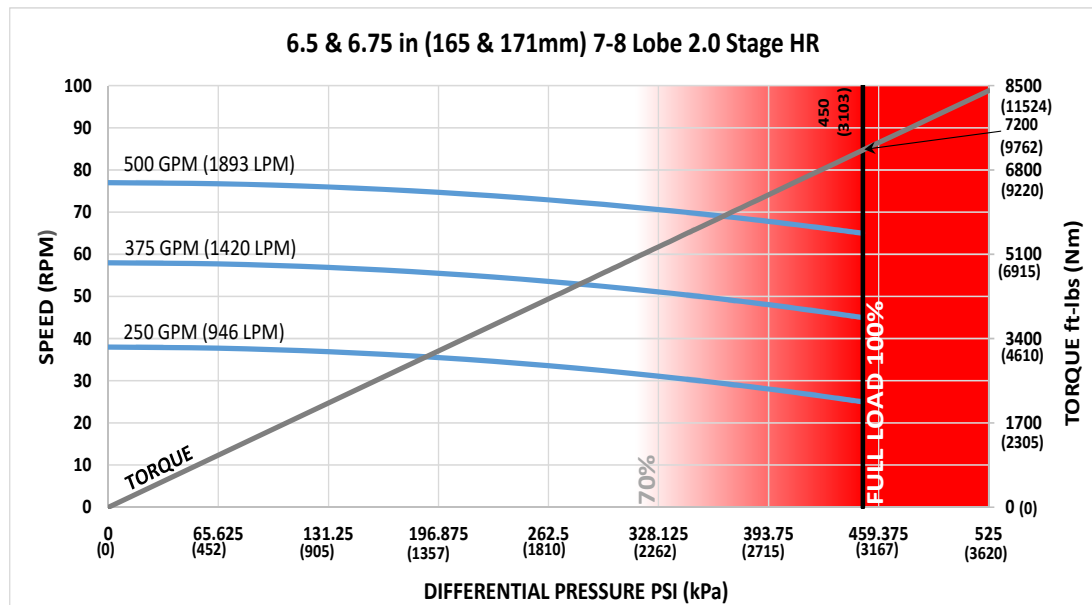




Bit Size Range	7-7/8 - 9-7/8 in	200 - 251 mm
Bit Box Connection	4-1/2 REGULAR	
Dynamic Bearing Load On/Off Bottom	128500 lbf	57200 daN
Static Bearing Load On/Off Bottom	404500 lbf	179900 daN
Max. Overpull (For Re-run)	406900 lbf	181000 daN
Absolute Overpull	678200 lbf	301700 daN
Adjustable Makeup Torque	25000 ft-lbs	33900 Nm
Stab/Thread Protector Makeup Torque	12000 ft-lbs	16300 Nm
A = Bit to Stabilizer (Centre)	16.3 in	414 mm
B = Bit to Bend	Adjustable 73 in	1854 mm
	Fixed 61.1 in	1552 mm
C = Overall (With Dump Sub)	284.6 in	7229 mm
Weight	2233 lbs	1013 kg

Lobe Configuration	7-8 Lobe 2 Stage HR	
Displacement (No Load)	0.154 rev/gal	0.04 rev/l
Max. Differential (Full Load)	450 psi	3103 kPa
Max. Torque	7200 ft-lbs	9762 Nm
Max. Power	89 HP	66 kW

Flow Rate		Speed
GPM	LPM	RPM
250	946	25 - 38
375	1420	45 - 58
500	1893	65 - 77



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)	7-7/8 (200mm)	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	1.8	-	-	-	2.6	3.3	3.5	4.7
0.78	5.3	3.4	2.6	-	5.3	5.9	6.2	7.4
1.15	8.6	6.7	5.9	2.5	8.6	8.5	8.7	10.0
1.50	11.8	9.8	9.1	5.6	11.8	10.9	11.1	12.4
1.83	14.7	12.8	12.0	8.6	14.7	13.1	13.4	14.6
2.12	17.3	15.4	14.7	11.2	17.3	15.4	15.4	16.6
2.38	19.7	17.8	17.0	13.5	19.7	17.8	17.2	18.4
2.60	21.7	19.7	19.0	15.5	21.7	19.7	19.0	19.9
2.77	23.2	21.3	20.5	17.1	23.2	21.3	20.5	21.1
2.90	24.4	22.4	21.7	18.2	24.4	22.4	21.7	22.0
2.97	25.0	23.1	22.3	18.9	25.0	23.1	22.3	22.5
3.00	25.3	23.3	22.6	19.1	25.3	23.3	22.6	22.7

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 (30m)				Degrees per 100 Feet (30m)			
1.25	9.1	6.9	6.0	1.9	9.1	9.7	10.0	11.2
1.50	11.3	9.1	8.2	4.2	11.3	11.6	11.8	13.0
1.75	13.6	11.4	10.5	6.4	13.6	13.4	13.6	14.9
2.00	15.8	13.6	12.7	8.7	15.8	15.2	15.5	16.7
2.25	18.1	15.9	15.0	11.0	18.1	17.0	17.3	18.5
2.50	20.3	18.1	17.2	13.2	20.3	18.9	19.1	20.4

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.