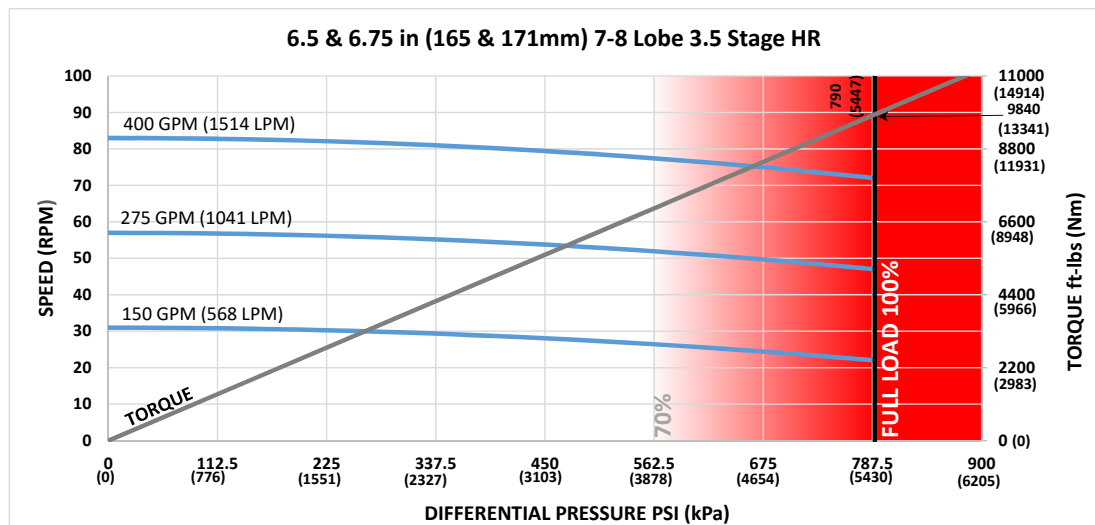




Bit Size Range	7-7/8 - 9-7/8 in	200 - 251 mm
Bit Box Connection	4-1/2 REGULAR	
Dynamic Bearing Load On/Off Bottom	94460 lbf	42000 daN
Static Bearing Load On/Off Bottom	425874 lbf	189400 daN
Max. Overpull (For Re-run)	376900 lbf	167700 daN
Absolute Overpull	628200 lbf	279400 daN
Adjustable Makeup Torque	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)	354.06 in	8993 mm
Weight	2124 lbs	963 kg

Lobe Configuration	7-8 Lobe 3.5 Stage HR	
Displacement (No Load)	0.208 rev/gal	0.05 rev/l
Max. Differential (Full Load)	790 psi	5447 kPa
Max. Torque	9840 ft-lbs	13341 Nm
Max. Power	135 HP	101 kW

Flow Rate		Speed
GPM	LPM	RPM
150	568	22 - 31
275	1041	47 - 57
400	1514	72 - 83



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	0.5	-	-	-	2.1	2.5	2.7	-
0.78	3.3	1.7	1.0	-	4.4	4.9	5.0	5.8
1.15	5.9	4.3	3.7	0.8	6.6	7.1	7.2	8.0
1.50	8.4	6.8	6.2	3.3	8.7	9.2	9.3	10.1
1.83	10.8	9.2	8.5	5.6	10.8	11.1	11.3	12.0
2.12	12.9	11.2	10.6	7.7	12.9	12.9	13.0	13.8
2.38	14.7	13.1	12.5	9.5	14.7	14.4	14.6	15.3
2.60	16.3	14.7	14.0	11.1	16.3	15.7	15.9	16.6
2.77	17.5	15.9	15.2	12.3	17.5	16.7	16.9	17.7
2.90	18.4	16.8	16.2	13.3	18.4	17.5	17.7	18.4
2.97	18.9	17.3	16.7	13.8	18.9	17.9	18.1	18.9
3.00	19.1	17.5	16.9	14.0	19.1	18.1	18.3	19.0

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	4.1	3.3	-	7.7	8.1	8.3	9.0
1.50	7.9	5.9	5.1	1.5	9.3	9.7	9.8	10.6
1.75	9.6	7.7	6.9	3.3	10.8	11.3	11.4	12.2
2.00	11.4	9.4	8.6	5.0	12.4	12.8	13.0	13.7
2.25	13.2	11.2	10.4	6.8	14.0	14.4	14.6	15.3
2.50	15.0	13.0	12.2	8.6	15.6	16.0	16.2	16.9

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.