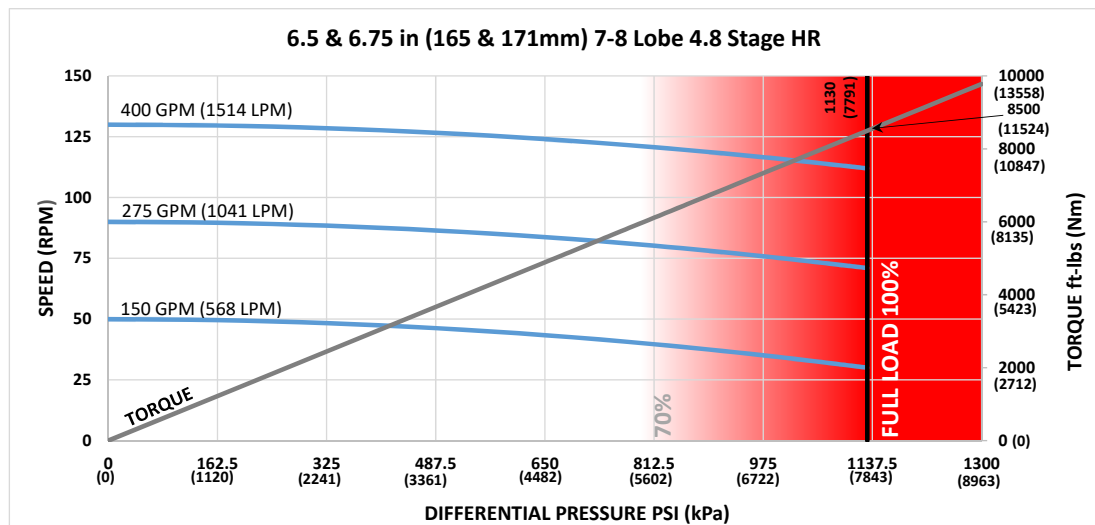




Bit Size Range	7-7/8 - 9-7/8 in	200 - 251 mm
Bit Box Connection	4-1/2 REGULAR	
Dynamic Bearing Load On/Off Bottom	94460 lbf	42000 daN
Static Bearing Load On/Off Bottom	425874 lbf	189400 daN
Max. Overpull (For Re-run)	376900 lbf	167700 daN
Absolute Overpull	628200 lbf	279400 daN
Adjustable Makeup Torque	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	1724 mm
	Fixed 52.98 in	1346 mm
C = Overall (With Dump Sub)	326.26 in	8287 mm
Weight	1973 lbs	895 kg

Lobe Configuration	7-8 Lobe 4.8 Stage HR	
Displacement (No Load)	0.33 rev/gal	0.09 rev/l
Max. Differential (Full Load)	1130 psi	7791 kPa
Max. Torque	8500 ft-lbs	11524 Nm
Max. Power	181 HP	135 kW

Flow Rate		Speed
GPM	LPM	RPM
150	568	30 - 50
275	1041	71 - 90
400	1514	112 - 130



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	0.6	-	-	-	2.3	2.8	3.0	-
0.78	3.6	1.8	1.1	-	4.8	5.3	5.5	6.4
1.15	6.5	4.7	4.0	0.8	7.2	7.7	7.9	8.8
1.50	9.2	7.4	6.7	3.6	9.4	9.9	10.1	11.0
1.83	11.8	10.0	9.3	6.1	11.8	12.0	12.2	13.1
2.12	14.0	12.3	11.6	8.4	14.0	13.9	14.1	15.0
2.38	16.1	14.3	13.6	10.4	16.1	15.5	15.7	16.6
2.60	17.8	16.0	15.3	12.1	17.8	16.9	17.1	18.0
2.77	19.1	17.3	16.6	13.5	19.1	18.0	18.2	19.1
2.90	20.1	18.4	17.6	14.5	20.1	18.8	19.0	19.9
2.97	20.7	18.9	18.2	15.0	20.7	19.3	19.5	20.4
3.00	20.9	19.1	18.4	15.2	20.9	19.5	19.7	20.6

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	6.6	4.5	3.6	-	8.3	8.8	9.0	9.9
1.50	8.6	6.4	5.5	1.6	10.0	10.5	10.7	11.6
1.75	10.5	8.4	7.5	3.6	11.7	12.2	12.4	13.3
2.00	12.5	10.3	9.4	5.5	13.4	13.9	14.1	15.0
2.25	14.4	12.3	11.4	7.5	15.1	15.6	15.8	16.7
2.50	16.4	14.2	13.3	9.4	16.8	17.3	17.5	18.4

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.