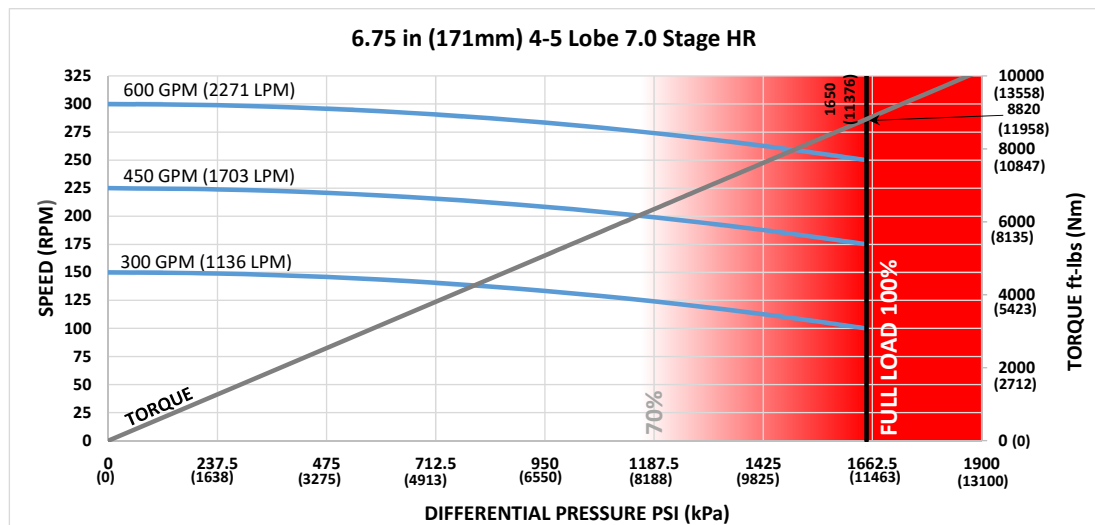




Bit Size Range	8-1/2 - 9-7/8 in	216 - 251 mm
Bit Box Connection	4-1/2 REGULAR	
Dynamic Bearing Load On/Off Bottom	100357 lbf	44600 daN
Static Bearing Load On/Off Bottom	355612 lbf	158200 daN
Max. Overpull (For Re-run)	432800 lbf	192500 daN
Absolute Overpull	721400 lbf	320900 daN
Adjustable Makeup Torque	25000 ft-lbs	33900 Nm
Stab/Thread Protector Makeup Torque	12000 ft-lbs	16300 Nm
A = Bit to Stabilizer (Centre)	21.1 in	536 mm
B = Bit to Bend	Adjustable 66.7 in	1694 mm
	Fixed 54.6 in	1387 mm
C = Overall (With Dump Sub)	339.7 in	8628 mm
Weight	2371 lbs	1075 kg

Lobe Configuration	4-5 Lobe 7.0 Stage HR	
Displacement (No Load)	0.49 rev/gal	0.13 rev/l
Max. Differential (Full Load)	1650 psi	11376 kPa
Max. Torque	8820 ft-lbs	11958 Nm
Max. Power	420 HP	313 kW

Flow Rate		Speed
GPM	LPM	RPM
300	1136	100 - 150
450	1703	175 - 225
600	2271	250 - 300



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)	9-7/8 (251mm)	8-1/2 (216mm)	8-3/4 (222mm)	9-7/8 (251mm)	9-7/8 (251mm)
BEND ANGLE	Degrees per 100 Feet (30 m)				Degrees per 100 Feet (30 m)			
0.39	3.8	3.1	0.0	0.0	3.8	3.1	3.7	3.7
0.78	6.7	6.0	2.9	2.9	6.7	6.0	6.1	6.1
1.15	9.5	8.8	5.7	5.7	9.5	8.8	8.4	8.4
1.50	12.1	11.4	8.3	8.3	12.1	11.4	10.6	10.6
1.83	14.5	13.8	10.8	10.8	14.5	13.8	12.7	12.7
2.12	16.7	16.0	12.9	12.9	16.7	16.0	14.5	14.5
2.38	18.6	18.0	14.9	14.9	18.6	18.0	16.2	16.2
2.60	20.3	19.6	16.5	16.5	20.3	19.6	17.5	17.5
2.77	21.5	20.9	17.8	17.8	21.5	20.9	18.6	18.6
2.90	22.5	21.8	18.7	18.7	22.5	21.8	19.4	19.4
2.97	23.0	22.3	19.3	19.3	23.0	22.3	19.9	19.9
3.00	23.3	22.6	19.5	19.5	23.3	22.6	20.1	20.1

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)	9-7/8 (251mm)	8-1/2 (216mm)	8-3/4 (222mm)	9-7/8 (251mm)	9-7/8 (251mm)
BEND ANGLE	Degrees per 100 Feet (30 m)				Degrees per 100 Feet (30 m)			
1.25	7.0	6.2	2.5	2.5	8.4	8.6	9.4	9.4
1.50	8.9	8.1	4.4	4.4	10.1	10.3	11.1	11.1
1.75	10.7	9.9	6.3	6.3	11.7	11.9	12.7	12.7
2.00	12.6	11.8	8.1	8.1	13.4	13.6	14.4	14.4
2.25	14.5	13.6	10.0	10.0	15.0	15.2	16.0	16.0
2.50	16.3	15.5	11.9	11.9	16.7	16.9	17.7	17.7

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.