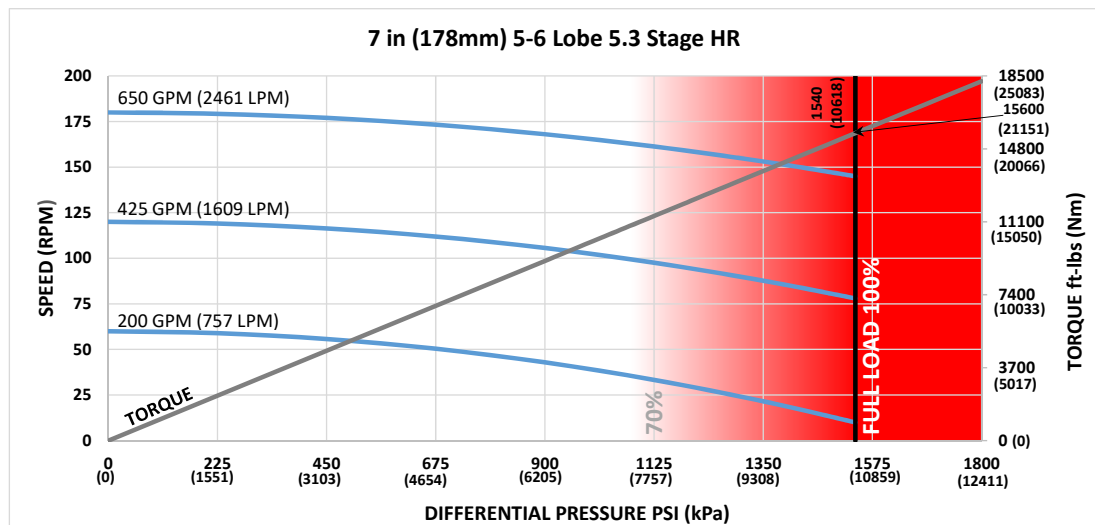




Bit Size Range	8-1/2 - 9-7/8 in	216 - 251 mm
Bit Box Connection	4-1/2 REGULAR	
Dynamic Bearing Load On/Off Bottom	100357 lbf	44600 daN
Static Bearing Load On/Off Bottom	355612 lbf	158200 daN
Max. Overpull (For Re-run)	432800 lbf	192500 daN
Absolute Overpull	721400 lbf	320900 daN
Adjustable Makeup Torque	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
	Fixed	54.6 in
C = Overall (With Dump Sub)	365.5 in	9284 mm
Weight	2460 lbs	1116 kg

Lobe Configuration	5-6 Lobe 5.3 Stage HR	
Displacement (No Load)	0.304 rev/gal	0.08 rev/l
Max. Differential (Full Load)	1540 psi	10618 kPa
Max. Torque	15600 ft-lbs	21151 Nm
Max. Power	431 HP	321 kW

Flow Rate		Speed
GPM	LPM	RPM
200	757	10 - 60
425	1609	78 - 120
650	2461	145 - 180



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	3.4	2.8	-	-	3.4	2.8	3.3	3.3
0.78	6.1	5.5	2.6	2.6	6.1	5.5	5.6	5.6
1.15	8.7	8.0	5.2	5.2	8.7	8.0	7.8	7.8
1.50	11.1	10.4	7.6	7.6	11.1	10.4	9.8	9.8
1.83	13.3	12.7	9.8	9.8	13.3	12.7	11.8	11.8
2.12	15.4	14.7	11.9	11.9	15.4	14.7	13.5	13.5
2.38	17.1	16.5	13.6	13.6	17.1	16.5	15.0	15.0
2.60	18.7	18.0	15.2	15.2	18.7	18.0	16.3	16.3
2.77	19.8	19.2	16.3	16.3	19.8	19.2	17.3	17.3
2.90	20.7	20.1	17.2	17.2	20.7	20.1	18.1	18.1
2.97	21.2	20.6	17.7	17.7	21.2	20.6	18.5	18.5
3.00	21.4	20.8	17.9	17.9	21.4	20.8	18.7	18.7

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	6.4	5.7	2.3	2.3	7.8	8.0	8.7	8.7
1.50	8.2	7.4	4.0	4.0	9.4	9.5	10.2	10.2
1.75	9.9	9.1	5.7	5.7	10.9	11.1	11.8	11.8
2.00	11.6	10.9	7.5	7.5	12.4	12.6	13.3	13.3
2.25	13.3	12.6	9.2	9.2	14.0	14.1	14.8	14.8
2.50	15.1	14.3	10.9	10.9	15.5	15.7	16.4	16.4

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.