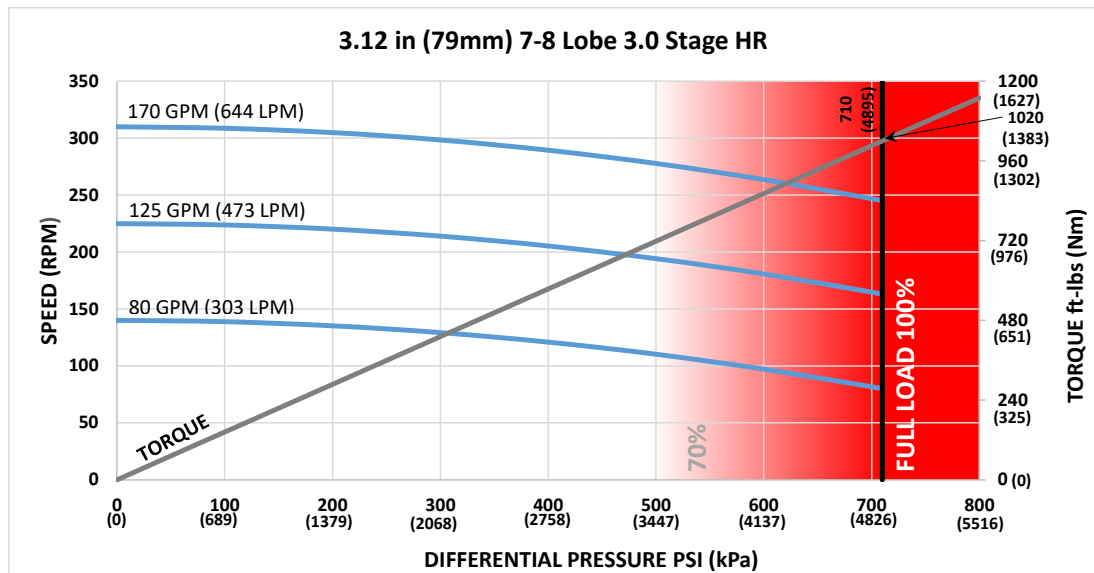




Bit Size Range	3-7/8 - 4-1/2 in	98 - 114 mm
Bit Box Connection	2-3/8 REGULAR	
Dynamic Bearing Load On/Off Bottom	28230 lbf	12600 daN
Static Bearing Load On/Off Bottom	83280 lbf	37000 daN
Max. Overpull (For Re-run)	49100 lbf	21800 daN
Absolute Overpull	81800 lbf	36400 daN
Adjustable Makeup Torque	2500 ft-lbs	3400 Nm
Stab/Thread Protector Makeup Torque	N/A	N/A
A = Bit to Stabilizer (Centre)	N/A	N/A
B = Bit to Bend	Adjustable	42.9 in / 1090 mm
	Fixed	34 in / 864 mm
C = Overall (With Dump Sub)	188.3 in	4783 mm
Weight	291 lbs	132 kg

Lobe Configuration	7-8 Lobe 3.0 Stage HR	
Displacement (No Load)	1.8 rev/gal	0.48 rev/l
Max. Differential (Full Load)	710 psi	4895 kPa
Max. Torque	1020 ft-lbs	1383 Nm
Max. Power	48 HP	35 kW

Flow Rate		Speed
GPM	LPM	RPM
80	303	80 - 140
125	473	163 - 225
170	644	245 - 310



Possible damage may occur when motor is run higher than 70% of Maximum Differential Pressure.

ADJUSTABLE BUILD RATE

Hole Size	SLICK				STABILIZED			
	3-7/8 (98mm)	4-1/8 (105mm)	4-1/4 (108mm)	4-1/2 (114mm)	3-7/8 (98mm)	4-1/8 (105mm)	4-1/4 (108mm)	4-1/2 (114mm)
BEND ANGLE	Degrees per 100 Feet (30 m)				Degrees per 100 Feet (30 m)			
0.39	2.06	0.01	-	-	-	-	-	-
0.78	7.42	5.37	4.34	2.29	-	5.37	4.34	2.29
1.15	12.50	10.45	9.42	7.37	12.50	10.45	9.42	7.37
1.50	17.31	15.25	14.23	12.18	17.31	15.25	14.23	12.18
1.83	21.84	19.78	18.76	16.71	21.84	19.78	18.76	16.71
2.12	25.82	23.77	22.74	20.69	25.82	23.77	22.74	20.69
2.38	29.39	27.34	26.31	24.26	29.39	27.34	26.31	24.26
2.60	32.41	30.36	29.33	27.28	32.41	30.36	29.33	27.28
2.77	34.74	32.69	31.67	29.62	34.74	32.69	31.67	29.62
2.90	36.53	34.48	33.45	31.40	36.53	34.48	33.45	31.40
2.97	37.49	35.44	34.41	32.36	37.49	35.44	34.41	32.36
3.00	37.90	35.85	34.82	32.77	37.90	35.85	34.82	32.77

Note: Stabilizers are 1/8" undergauge

FBH BUILD RATE

Hole Size	SLICK				STABILIZED			
	3-7/8 (98mm)	4-1/8 (105mm)	4-1/4 (108mm)	4-1/2 (114mm)	3-7/8 (98mm)	4-1/8 (105mm)	4-1/4 (108mm)	4-1/2 (114mm)
BEND ANGLE	Degrees per 100 Feet (30 m)				Degrees per 100 Feet (30 m)			
1.25	12.89	10.37	9.11	6.59	12.89	10.37	9.11	6.78
1.50	16.33	13.81	12.55	10.03	16.33	13.81	12.55	10.03
1.75	19.76	17.24	15.98	13.46	19.76	17.24	15.98	13.46
2.00	23.19	20.67	19.41	16.89	23.19	20.67	19.41	16.89
2.25	26.62	24.10	22.84	20.33	26.62	24.10	22.84	20.33
2.50	30.06	27.54	26.28	23.76	30.06	27.54	26.28	23.76

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.