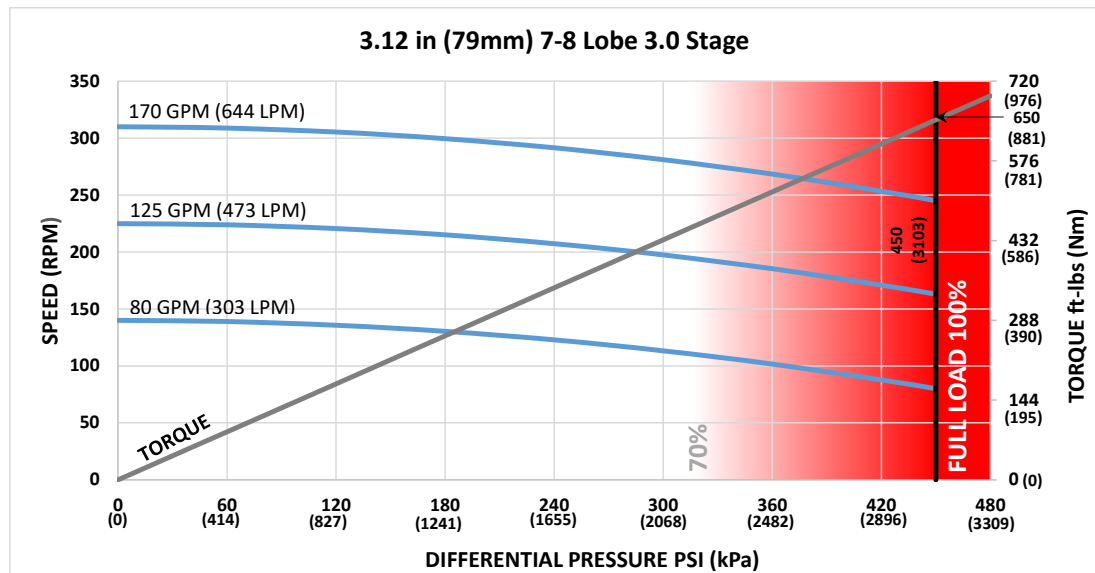




<b>Bit Size Range</b>	3-7/8 - 4-1/2 in	98 - 114 mm
<b>Bit Box Connection</b>	2-3/8 REGULAR	
<b>Dynamic Bearing Load On/Off Bottom</b>	28230 lbf	12600 daN
<b>Static Bearing Load On/Off Bottom</b>	83280 lbf	37000 daN
<b>Max. Overpull (For Re-run)</b>	49100 lbf	21800 daN
<b>Absolute Overpull</b>	81800 lbf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

<b>Lobe Configuration</b>	7-8 Lobe 3.0 Stage	
<b>Displacement (No Load)</b>	1.8 rev/gal	0.48 rev/l
<b>Max. Differential (Full Load)</b>	450 psi	3103 kPa
<b>Max. Torque</b>	650 ft-lbs	881 Nm
<b>Max. Power</b>	30 HP	23 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)
<b>BEND ANGLE</b>	Degrees per 100 Feet (30 m)				Degrees per 100 Feet (30 m)			
<b>0.39</b>	2.06	0.01	-	-	-	-	-	-
<b>0.78</b>	7.42	5.37	4.34	2.29	-	5.37	4.34	2.29
<b>1.15</b>	12.50	10.45	9.42	7.37	12.50	10.45	9.42	7.37
<b>1.50</b>	17.31	15.25	14.23	12.18	17.31	15.25	14.23	12.18
<b>1.83</b>	21.84	19.78	18.76	16.71	21.84	19.78	18.76	16.71
<b>2.12</b>	25.82	23.77	22.74	20.69	25.82	23.77	22.74	20.69
<b>2.38</b>	29.39	27.34	26.31	24.26	29.39	27.34	26.31	24.26
<b>2.60</b>	32.41	30.36	29.33	27.28	32.41	30.36	29.33	27.28
<b>2.77</b>	34.74	32.69	31.67	29.62	34.74	32.69	31.67	29.62
<b>2.90</b>	36.53	34.48	33.45	31.40	36.53	34.48	33.45	31.40
<b>2.97</b>	37.49	35.44	34.41	32.36	37.49	35.44	34.41	32.36
<b>3.00</b>	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)
<b>BEND ANGLE</b>	Degrees per 100 Feet (30 m)				Degrees per 100 Feet (30 m)			
<b>1.25</b>	12.89	10.37	9.11	6.59	12.89	10.37	9.11	6.78
<b>1.50</b>	16.33	13.81	12.55	10.03	16.33	13.81	12.55	10.03
<b>1.75</b>	19.76	17.24	15.98	13.46	19.76	17.24	15.98	13.46
<b>2.00</b>	23.19	20.67	19.41	16.89	23.19	20.67	19.41	16.89
<b>2.25</b>	26.62	24.10	22.84	20.33	26.62	24.10	22.84	20.33
<b>2.50</b>	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.