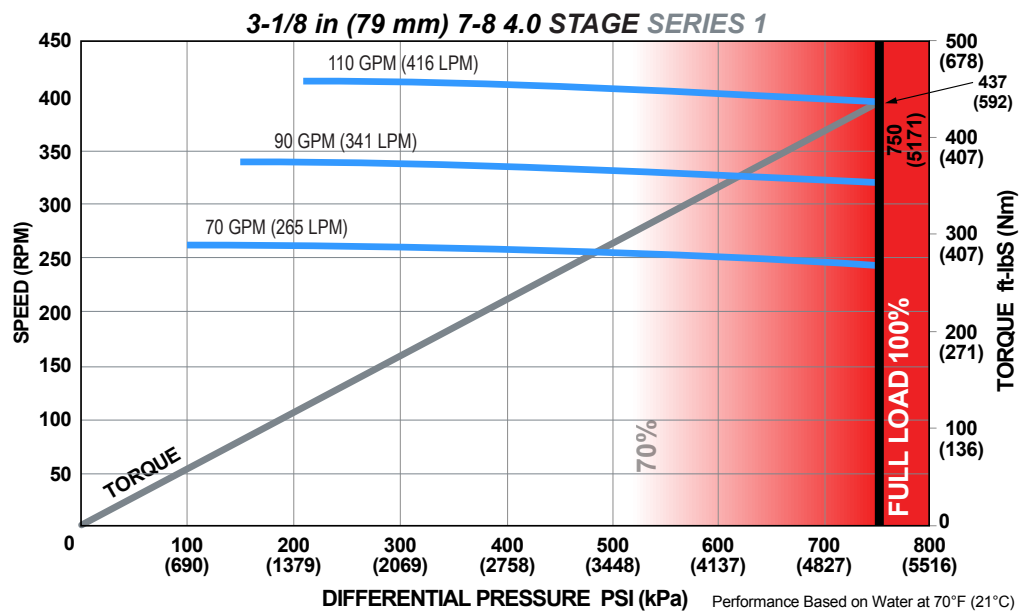


<b>Bit Size Range</b>		3-7/8 - 4-1/2 in	98 - 114 mm
<b>Bit Box Connection</b>		2-3/8 REGULAR	
<b>Bearing Load On Bottom</b>	<b>Dynamic</b>	28230 lbf	12560 daN
	<b>Static</b>	83280 lbf	37040 daN
<b>Bearing Load Off Bottom</b>	<b>Dynamic</b>	28230 lbf	12560 daN
	<b>Static</b>	83280 lbf	37040 daN
<b>Max. Overpull (for re-run)</b>		49100 lbf	22000 daN
<b>Absolute Overpull</b>		81800 lbf	36000 daN
<b>Adjustable Makeup Torque</b>		2500 ft-lbs	3390 Nm
<b>B = Bit to Bend</b>	<b>Adjustable</b>	42.9 in	1090 mm
	<b>Fixed</b>	34 in	864 mm
<b>C = Overall (Rotor Catch/Float Sub)</b>		156.3 in	3970 mm
<b>Weight</b>		250 lbs	113.4 kg

<b>Lobe Configuration</b>	7-8 Lobe 4.0 Stage	
<b>Displacement (NO LOAD)</b>	3.71 rev/gal	0.98 rev/l
<b>Max. Differential @ FULL LOAD</b>	750 psi	5,171 kPa
<b>Max. Torque</b>	437 ft-lbs	592 Nm
<b>Max. Power</b>	32 HP	24 kW

Flow Rate		Speed
GPM	LPM	RPM
70	265	240 - 263
90	341	315 - 339
110	416	390 - 415



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

### ADJUSTABLE BUILD RATE: 3-1/8 in (79 mm) 7-8 Lobe 4.0 Stage SERIES 1

Hole Size	SLICK			STABILIZED		
	3-7/8 (98 mm)	4-1/8 (105 mm)	4-1/2 (114 mm)	3-7/8 (98 mm)	4-1/8 (105 mm)	4-1/2 (114 mm)
<b>BEND ANGLE</b>	Degrees per 100 Feet (30 m)			Degrees per 100 Feet (30 m)		
0.39	1.33	-	-	-	-	-
0.78	6.84	4.73	1.56	-	-	-
1.15	12.07	9.96	6.79	-	-	-
1.50	17.02	14.9	11.73	-	-	-
1.83	21.68	19.56	16.39	-	-	-
2.12	25.77	23.66	20.49	-	-	-
2.38	29.45	27.33	24.16	-	-	-
2.60	32.55	30.44	27.27	-	-	-
2.77	34.95	32.84	29.67	-	-	-
2.90	36.79	34.68	31.51	-	-	-
2.97	37.78	35.66	32.49	-	-	-
3.00	38.2	36.09	32.92	-	-	-

### FBH BUILD RATE: 3-1/8 in (79 mm) 7-8 Lobe 4.0 Stage SERIES 1

Hole Size	SLICK			STABILIZED		
	3-7/8 (98 mm)	4-1/8 (105 mm)	4-1/2 (114 mm)	3-7/8 (98 mm)	4-1/8 (105 mm)	4-1/2 (114 mm)
<b>BEND ANGLE</b>	Degrees per 100 Feet (30 m)			Degrees per 100 Feet (30 m)		
1.25	12.53	9.93	6.04	-	-	-
1.50	16.06	13.46	9.57	-	-	-
1.75	19.59	17	13.1	-	-	-
2.00	23.12	20.53	16.64	-	-	-

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.