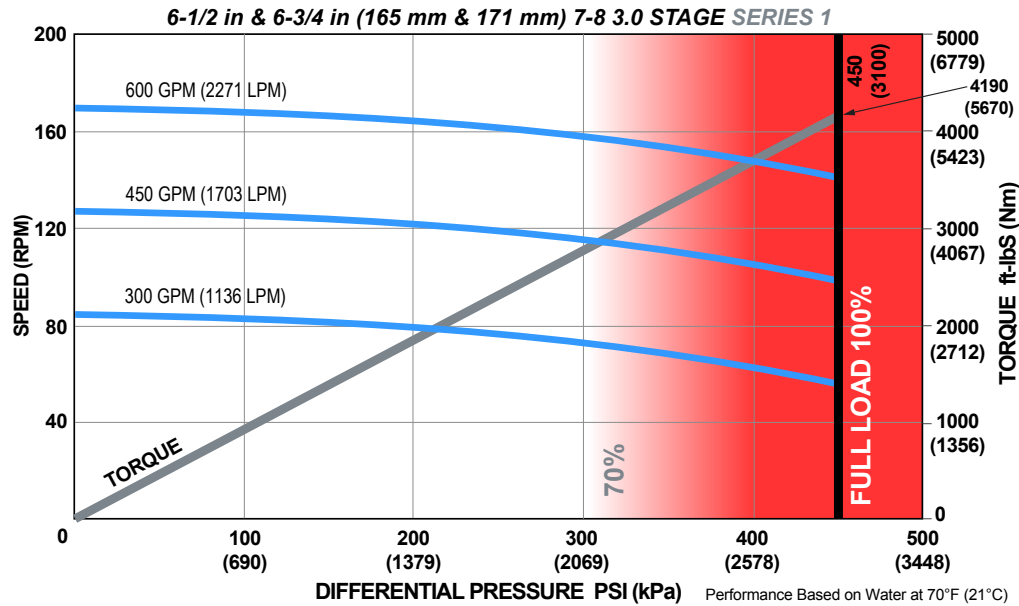


<b>Bit Size Range</b>		7-7/8 - 9-7/8 in	200 - 251 mm
<b>Bit Box Connection</b>		4-1/2 REGULAR	
<b>Bearing Load On Bottom</b>	<b>Dynamic</b>	128500 lbf	57160 daN
	<b>Static</b>	404500 lbf	179930 daN
<b>Bearing Load Off Bottom</b>	<b>Dynamic</b>	128500 lbf	57160 daN
	<b>Static</b>	404500 lbf	179930 daN
<b>Max. Overpull (for re-run)</b>		406900 lbf	181000 daN
<b>Absolute Overpull</b>		678200 lbf	302000 daN
<b>Adjustable Makeup Torque</b>		25000 ft-lbs	33895 Nm
<b>A = Bit to Stabilizer (centre)</b>		16.3 in	414 mm
<b>B = Bit to Bend</b>	<b>Adjustable</b>	73 in	1854 mm
	<b>Fixed</b>	61.1 in	1552 mm
<b>C = Overall (with Dump Sub)</b>		256.1 in	6505 mm
<b>Weight</b>		1884 lbs	854.6 kg

<b>Lobe Configuration</b>	7-8 Lobe 3.0 Stage	
<b>Displacement (NO LOAD)</b>	0.28 rev/gal	0.07 rev/l
<b>Max. Differential @ FULL LOAD</b>	450 psi	3,103 kPa
<b>Max. Torque</b>	4,190 ft-lbs	5,681 Nm
<b>Max. Power</b>	113 HP	84 kW

Flow Rate		Speed
GPM	LPM	RPM
300	1,136	55 - 84
450	1,703	99 - 127
600	2,271	142 - 170



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

**ADJUSTABLE BUILD RATE: 6 1/2 & 6 3/4 in (165 & 171 mm) 7-8 Lobe 3.0 Stage SERIES 1**

Hole Size	SLICK				STABILIZED			
	7-7/8 (200 mm)	8-1/2 (216 mm)	8-3/4 (222 mm)	9-7/8 (251 mm)	7-7/8 (200 mm)	8-1/2 (216 mm)	8-3/4 (222 mm)	9-7/8 (251 mm)
<b>BEND ANGLE</b>	Degrees per 100 Feet (30 m)				Degrees per 100 Feet (30 m)			
<b>0.39</b>	1.16	-	-	-	1.2	1.84	2.09	3.24
<b>0.78</b>	4.49	2.67	1.94	-	4.6	4.38	4.64	5.79
<b>1.15</b>	7.65	5.83	5.1	1.82	8.52	7.88	7.62	8.2
<b>1.50</b>	10.63	8.81	8.09	4.81	12.22	11.58	11.32	10.49
<b>1.83</b>	13.45	11.63	10.9	7.63	15.71	15.07	14.81	13.66
<b>2.12</b>	15.92	14.1	13.38	10.1	18.77	18.13	17.88	16.73
<b>2.38</b>	18.14	16.32	15.59	12.32	21.52	20.88	20.63	19.48
<b>2.60</b>	20.02	18.2	17.47	14.2	23.85	23.21	22.95	21.8
<b>2.77</b>	21.47	19.65	18.92	15.64	25.64	25	24.75	23.6
<b>2.90</b>	22.58	20.76	20.03	16.75	27.01	26.38	26.12	24.97
<b>2.97</b>	23.17	21.35	20.62	17.35	27.75	27.12	26.86	25.71
<b>3.00</b>	23.43	21.61	20.88	17.61	28.07	27.43	27.18	26.03

**FBH BUILD RATE: 6-1/2 & 6-3/4 in (165 & 171 mm) 7-8 Lobe 3.0 Stage SERIES 1**

Hole Size	SLICK				STABILIZED			
	7-7/8 (200 mm)	8-1/2 (216 mm)	8-3/4 (222 mm)	9-7/8 (251 mm)	7-7/8 (200 mm)	8-1/2 (216 mm)	8-3/4 (222 mm)	9-7/8 (251 mm)
<b>BEND ANGLE</b>	Degrees per 100 Feet (30 m)				Degrees per 100 Feet (30 m)			
<b>1.25</b>	8.14	6.02	5.17	1.36	9.07	8.44	8.24	9.39
<b>1.50</b>	10.28	8.16	7.31	3.49	11.61	10.97	10.72	11.13
<b>1.75</b>	12.41	10.29	9.44	5.63	14.15	13.51	13.25	12.86
<b>2.00</b>	14.54	12.42	11.57	7.76	16.69	16.05	15.79	14.64
<b>2.25</b>	16.67	14.55	13.71	9.89	19.22	18.58	18.33	17.18

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.