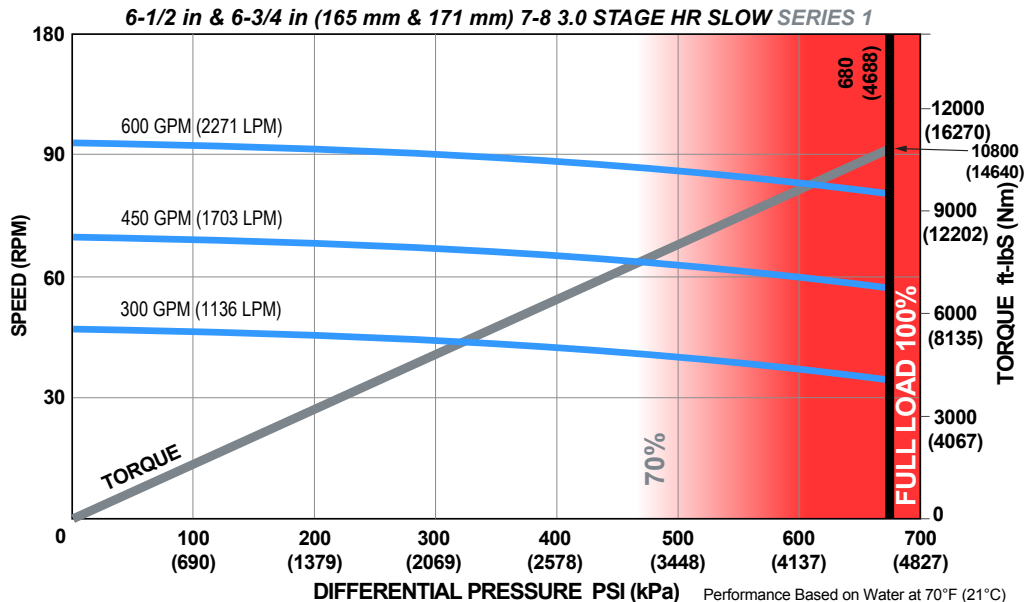


<b>Bit Size Range</b>		7-7/8 - 9-7/8 in	200 - 251 mm
<b>Bit Box Connection</b>		4-1/2 REGULAR	
<b>Bearing Load On Bottom</b>	<b>Dynamic</b>	128500 lbf	57160 daN
	<b>Static</b>	404500 lbf	179930 daN
<b>Bearing Load Off Bottom</b>	<b>Dynamic</b>	128500 lbf	57160 daN
	<b>Static</b>	404500 lbf	179930 daN
<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>		335.1 in	8512 mm
<b>Weight</b>		2470 lbs	1120.4 kg

<b>Lobe Configuration</b>	7-8 Lobe 3.0 Stage HR SLOW	
<b>Displacement (NO LOAD)</b>	0.16 rev/gal	0.04 rev/l
<b>Max. Differential @ FULL LOAD</b>	680 psi	4,688 kPa
<b>Max. Torque</b>	10,800 ft-lbs	14,643 Nm
<b>Max. Power</b>	165 HP	123 kW

Flow Rate		Speed
GPM	LPM	RPM
300	1,136	35 - 46
450	1,703	58 - 70
600	2,271	80 - 93



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 HR SLOW 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>	0.9	-	-	-	0.9	1.27	1.42	2.09
<b>0.78</b>	3.46	2.06	1.5	-	3.54	3.39	3.54	4.21
<b>1.15</b>	5.9	4.5	3.94	1.41	6.42	6.05	5.9	6.21
<b>1.50</b>	8.21	6.8	6.24	3.71	9.14	8.77	8.62	8.11
<b>1.83</b>	10.38	8.98	8.41	5.89	11.7	11.33	11.18	10.52
<b>2.12</b>	12.29	10.88	10.32	7.8	13.96	13.59	13.44	12.77
<b>2.38</b>	14	12.6	12.03	9.51	15.98	15.61	15.46	14.79
<b>2.60</b>	15.45	14.04	13.48	10.95	17.69	17.32	17.17	16.5
<b>2.77</b>	16.57	15.16	14.6	12.07	19.01	18.64	18.49	17.82
<b>2.90</b>	17.42	16.02	15.46	12.93	20.02	19.65	19.5	18.83
<b>2.97</b>	17.88	16.48	15.92	13.39	20.56	20.19	20.04	19.37
<b>3.00</b>	18.08	16.68	16.11	13.59	20.79	20.42	20.27	19.61

**FBH BUILD RATE: 6-1/2 & 6-3/4 in (165 & 171 mm) 7-8 Lobe 3.0 Stage HR SLOW 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>	6.28	4.65	3.99	1.05	6.9	6.53	6.4	7.06
<b>1.50</b>	7.93	6.29	5.64	2.7	8.78	8.41	8.26	8.48
<b>1.75</b>	9.58	7.94	7.29	4.34	10.66	10.29	10.14	9.9
<b>2.00</b>	11.22	9.59	8.93	5.99	12.54	12.17	12.02	11.36
<b>2.25</b>	12.87	11.23	10.58	7.63	14.42	14.05	13.91	13.24

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.