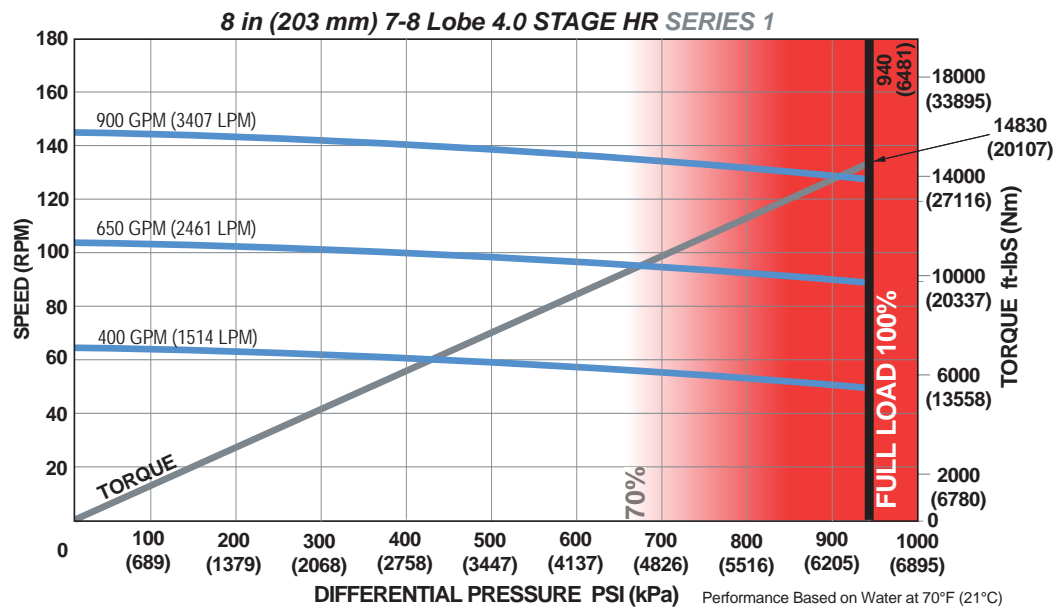


<b>Bit Size Range</b>		9-7/8 - 12-1/4 in	251 - 311 mm
<b>Bit Box Connection</b>		6-5/8 REGULAR	
<b>Bearing Load On Bottom</b>	<b>Dynamic</b>	162510 lbf	72290 daN
	<b>Static</b>	573485 lbf	255100 daN
<b>Bearing Load Off Bottom</b>	<b>Dynamic</b>	162510 lbf	72290 daN
	<b>Static</b>	573485 lbf	255100 daN
<b>Max. Overpull (for re-run)</b>		554100 lbf	246000 daN
<b>Absolute Overpull</b>		923500 lbf	411000 daN
<b>Adjustable Makeup Torque</b>		40000 ft-lbs	54233 Nm
<b>A = Bit to Stabilizer (centre)</b>		19.26 in	489 mm
<b>B = Bit to Bend</b>	<b>Adjustable</b>	87 in	2210 mm
	<b>Fixed</b>	72.3 in	1836 mm
<b>C = Overall (with Dump Sub)</b>		358.7 in	9111 mm
<b>Weight</b>		3806 lbs	1726.4 kg

<b>Lobe Configuration</b>	7-8 Lobe 4.0 Stage HR	
<b>Displacement (NO LOAD)</b>	0.16 rev/gal	0.04 rev/l
<b>Max. Differential @ FULL LOAD</b>	1,120 psi	7,722 kPa
<b>Max. Torque</b>	17,132 ft-lbs	23,228 Nm
<b>Max. Power</b>	434 HP	324 kW

Flow Rate		Speed
GPM	LPM	RPM
300	1,136	25 - 54
600	2,271	79 - 108
900	3,407	133 - 162



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

**ADJUSTABLE BUILD RATE: 8 in (203 mm) 7-8 Lobe 4.0 Stage HR SERIES 1**

Hole Size	SLICK			STABILIZED		
	9-7/8 (251 mm)	10-5/8 (270 mm)	12-1/4 (311 mm)	9-7/8 (251 mm)	10-5/8 (270 mm)	12-1/4 (311 mm)
<b>BEND ANGLE</b>	Degrees per 100 Feet (30 m)			Degrees per 100 Feet (30 m)		
0.39	-	-	-	1.23	1.62	2.46
0.78	2.14	0.8	-	3.39	3.54	4.39
1.15	4.41	3.08	0.18	6.13	5.74	6.21
1.50	6.56	5.23	2.34	8.72	8.32	7.94
1.83	8.59	7.26	4.37	11.15	10.76	9.92
2.12	10.38	9.04	6.15	13.3	12.91	12.06
2.38	11.97	10.64	7.75	15.22	14.83	13.98
2.60	13.33	11.99	9.1	16.84	16.45	15.61
2.77	14.37	13.03	10.14	18.1	17.71	16.86
2.90	15.17	13.83	10.94	19.06	18.67	17.82
2.97	15.6	14.26	11.37	19.58	19.19	18.34
3.00	15.78	14.45	11.56	19.8	19.41	18.56

**FBH BUILD RATE: 8 in (203 mm) 7-8 Lobe 4.0 Stage HR SERIES 1**

Hole Size	SLICK			STABILIZED		
	9-7/8 (251 mm)	10-5/8 (270 mm)	12-1/4 (311 mm)	9-7/8 (251 mm)	10-5/8 (270 mm)	12-1/4 (311 mm)
<b>BEND ANGLE</b>	Degrees per 100 Feet (30 m)			Degrees per 100 Feet (30 m)		
1.25	4.56	3	-	6.55	6.19	7.04
1.50	6.1	4.53	1.14	8.33	7.94	8.34
1.75	7.64	6.07	2.67	10.11	9.72	9.64
2.00	9.17	7.61	4.21	11.89	11.5	10.94

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.