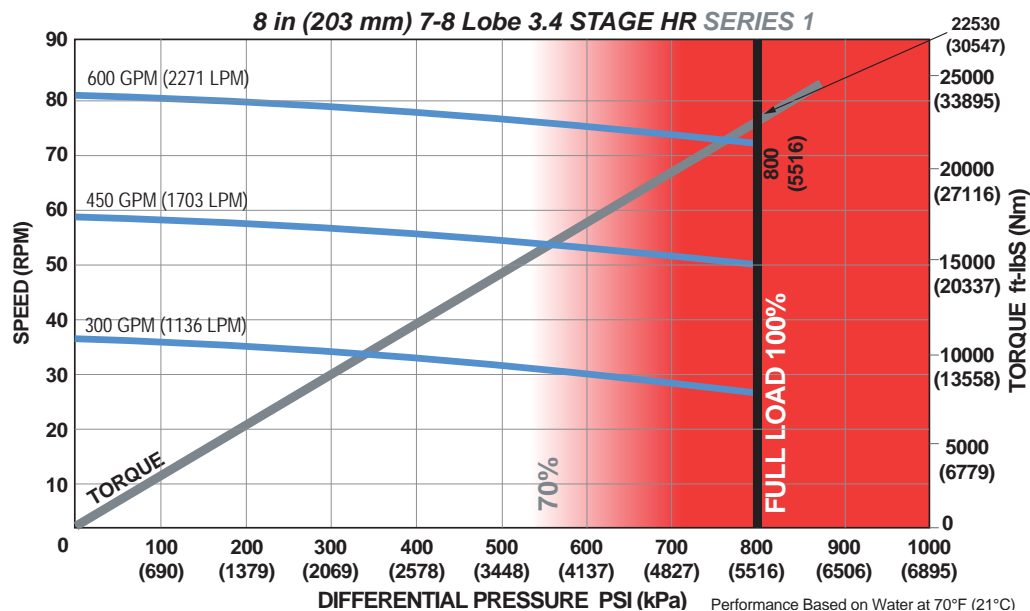


<b>Bit Size Range</b>		9-7/8 - 12-1/4 in	251 - 311 mm
<b>Bit Box Connection</b>		6-5/8 REGULAR	
<b>Bearing Load On Bottom</b>	<b>Dynamic</b>	162510 lbf	72290 daN
	<b>Static</b>	573485 lbf	255100 daN
<b>Bearing Load Off Bottom</b>	<b>Dynamic</b>	162510 lbf	72290 daN
	<b>Static</b>	573485 lbf	255100 daN
<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>		452.7 in	11499 mm
<b>Weight</b>		4838 lbs	2194.5 kg

<b>Lobe Configuration</b>	7-8 Lobe 3.4 Stage HR	
<b>Displacement (NO LOAD)</b>	0.09 rev/gal	0.02 rev/l
<b>Max. Differential @ FULL LOAD</b>	800 psi	5,516 kPa
<b>Max. Torque</b>	22,530 ft-lbs	30,547 Nm
<b>Max. Power</b>	309 HP	230 kW

Flow Rate		Speed
GPM	LPM	RPM
400	1,514	27 - 36
650	2,461	50 - 59
900	3,407	72 - 81



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 3.4 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)
BEND ANGLE	Degrees per 100 Feet (30 m)			Degrees per 100 Feet (30 m)		
0.39	-	-	-	0.94	1.18	1.71
0.78	1.70	0.64	-	2.71	2.80	3.33
1.15	3.52	2.45	0.15	4.82	4.57	4.86
1.50	5.24	4.17	1.86	6.81	6.56	6.31
1.83	6.85	5.79	3.48	8.68	8.44	7.91
2.12	8.28	7.21	4.90	10.33	10.09	9.56
2.38	9.55	8.49	6.18	11.81	11.56	11.04
2.60	10.63	9.56	7.26	13.06	12.81	12.29
2.77	11.46	10.40	8.09	14.02	13.78	13.25
2.90	12.10	11.04	8.73	14.76	14.52	13.99
2.97	12.44	11.38	9.07	15.16	14.92	14.39
3.00	12.59	11.53	9.22	15.33	15.09	14.56

**FBH BUILD RATE: 8 in (203 mm) 7-8 Lobe 3.4 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)
BEND ANGLE	Degrees per 100 Feet (30 m)			Degrees per 100 Feet (30 m)		
1.25	3.64	2.39	-0.32	5.18	4.96	5.48
1.50	4.87	3.62	0.91	6.56	6.32	6.56
1.75	6.09	4.84	2.13	7.94	7.70	7.64
2.00	7.32	6.07	3.36	9.32	9.08	8.72
1.75	8.54	7.29	4.58	10.70	10.46	9.93
2.00	9.77	8.52	5.81	12.08	11.83	11.31

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.