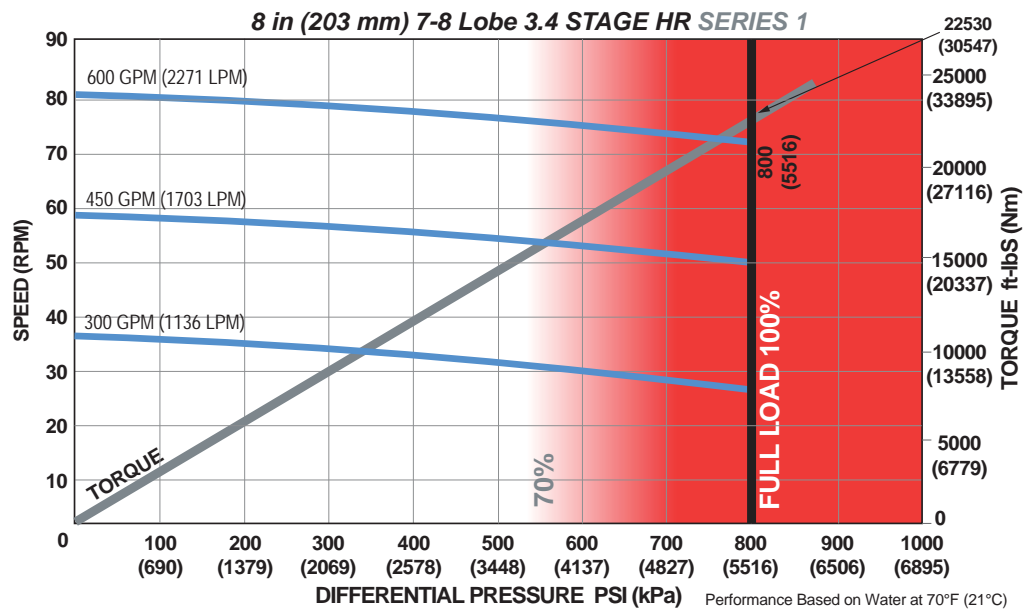


<b>Bit Size Range</b>		12-1/4 - 17-1/2 in	311 - 445 mm
<b>Bit Box Connection</b>		6-5/8 or 7-5/8 REGULAR	
<b>Bearing Load On Bottom</b>	<b>Dynamic</b>	240975 lbf	107190 daN
	<b>Static</b>	852600 lbf	379260 daN
<b>Bearing Load Off Bottom</b>	<b>Dynamic</b>	240975 lbf	107190 daN
	<b>Static</b>	852600 lbf	379260 daN
<b>Max. Overpull (for re-run)</b>		741100 lbf	330000 daN
<b>Absolute Overpull</b>		1235100 lbf	549000 daN
<b>Adjustable Makeup Torque</b>		60000 ft-lbs	81349 Nm
<b>A = Bit to Stabilizer (centre)</b>		20.2 in	513 mm
<b>B = Bit to Bend</b>	<b>Adjustable</b>	87.3 in	2217 mm
	<b>Fixed</b>	87.3 in	2217 mm
<b>C = Overall (with Dump Sub)</b>		458.7 in	11651 mm
<b>Weight</b>		5812 lbs	2636.3 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: 9-5/8 in (244 mm) Bottom w/ 8 in (203 mm) 7-8 Lobe 3.4 Stage HR SERIES 1

Hole Size	SLICK			STABILIZED		
	12-1/4 (311 mm)	16 (406 mm)	17-1/2 (445 mm)	12-1/4 (311 mm)	16 (406 mm)	17-1/2 (445 mm)
<b>BEND ANGLE</b>	Degrees per 100 Feet (30 m)			Degrees per 100 Feet (30 m)		
0.39	-	-	-	1.28	2.46	2.94
0.78	0.90	-	-	2.88	4.06	4.53
1.15	2.68	-	-	4.56	5.57	6.04
1.50	4.36	-0.69	-	6.51	7.00	7.47
1.83	5.95	0.89	-	8.34	8.34	8.82
2.12	7.34	2.29	0.27	9.96	9.53	10.00
2.38	8.59	3.54	1.52	11.40	10.59	11.06
2.60	9.65	4.60	2.58	12.62	11.49	11.96
2.77	10.47	5.42	3.39	13.57	12.39	12.65
2.90	11.09	6.04	4.02	14.29	13.11	13.18
2.97	11.43	6.38	4.35	14.68	13.50	13.47
3.00	11.58	6.52	4.50	14.85	13.67	13.59

### FBH BUILD RATE: 9-5/8 in (244 mm) Bottom w/ 8 in (203 mm) 7-8 Lobe 3.4 Stage HR SERIES 1

Hole Size	SLICK			STABILIZED		
	12-1/4 (311 mm)	16 (406 mm)	17-1/2 (445 mm)	12-1/4 (311 mm)	16 (406 mm)	17-1/2 (445 mm)
<b>BEND ANGLE</b>	Degrees per 100 Feet (30 m)			Degrees per 100 Feet (30 m)		
1.25	3.16	-	-	5.12	5.98	6.45
1.50	4.36	-	-	6.51	7.00	7.47
1.75	5.56	0.51	-	7.90	8.02	8.49
2.00	6.77	1.71	-	9.29	9.04	9.51
2.25	7.97	2.91	0.89	10.68	10.06	10.53
2.50	9.17	4.12	2.10	12.07	11.08	11.55

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.