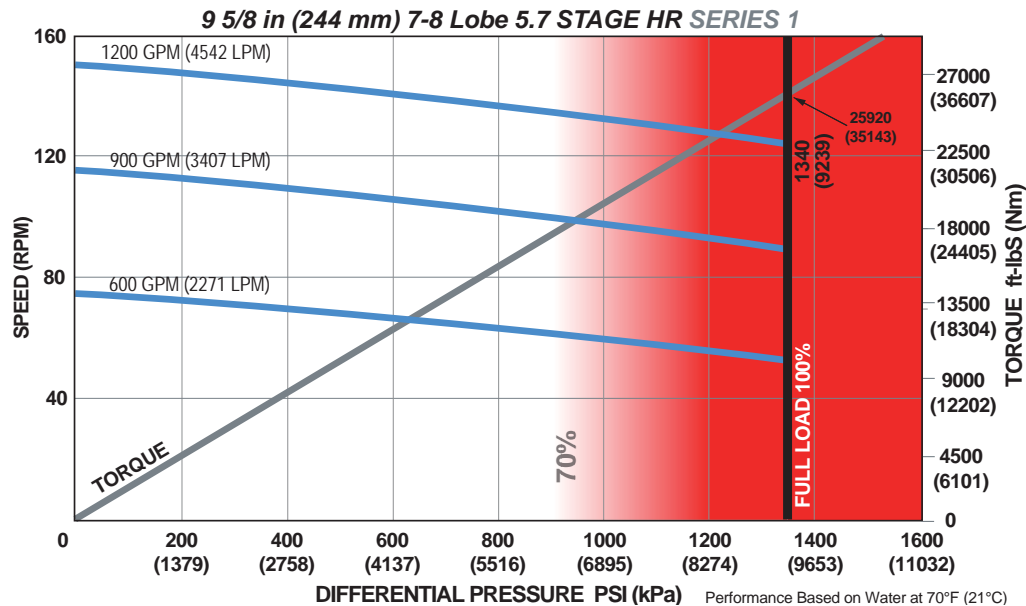


<b>Bit Size Range</b>		12-1/4 - 17-1/2 in	311 - 445 mm
<b>Bit Box Connection</b>		6-5/8 or 7-5/8 REGULAR	
<b>Bearing Load On Bottom</b>	<b>Dynamic</b>	240975 lbf	107190 daN
	<b>Static</b>	852600 lbf	379260 daN
<b>Bearing Load Off Bottom</b>	<b>Dynamic</b>	240975 lbf	107190 daN
	<b>Static</b>	852600 lbf	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>		398.7 in	10127 mm
<b>Weight</b>		6326 lbs	2869.4 kg

<b>Lobe Configuration</b>	7-8 Lobe 5.7 Stage HR	
<b>Displacement (NO LOAD)</b>	0.13 rev/gal	0.03 rev/l
<b>Max. Differential @ FULL LOAD</b>	1,340 psi	9,239 kPa
<b>Max. Torque</b>	25,920 ft-lbs	35,143 Nm
<b>Max. Power</b>	632 HP	471 kW

Flow Rate		Speed
GPM	LPM	RPM
600	2,271	52 - 80
900	3,407	90 - 115
1,200	4,542	128 - 150



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

#### ADJUSTABLE BUILD RATE: 9-5/8 in (244 mm) 7-8 Lobe 5.7 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	-	-	-	1.54	3.11	3.73
0.78	1.03	-	-	3.31	4.88	5.50
1.15	3.07	-	-	5.22	6.56	7.18
1.50	4.99	-	-	7.49	8.15	8.77
1.83	6.81	1.02	-	9.64	9.65	10.27
2.12	8.41	2.62	0.31	11.52	10.96	11.59
2.38	9.84	4.05	1.74	13.21	12.14	12.77
2.60	11.05	5.26	2.95	14.64	13.14	13.76
2.77	11.99	6.20	3.89	15.75	14.18	14.54
2.90	12.70	6.92	4.60	16.59	15.02	15.13
2.97	13.09	7.30	4.99	17.05	15.48	15.44
3.00	13.25	7.47	5.15	17.24	15.67	15.58

#### FBH BUILD RATE: 9-5/8 in (244 mm) 7-8 Lobe 5.7 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	3.62	-	-	5.87	7.01	7.64
1.50	4.99	-	-	7.49	8.15	8.77
1.75	6.37	0.58	-	9.12	9.28	9.91
2.00	7.75	1.96	-	10.74	10.42	11.04
2.25	9.13	3.34	1.02	12.37	11.55	12.18
2.50	10.50	4.71	2.40	13.99	12.69	13.31

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.