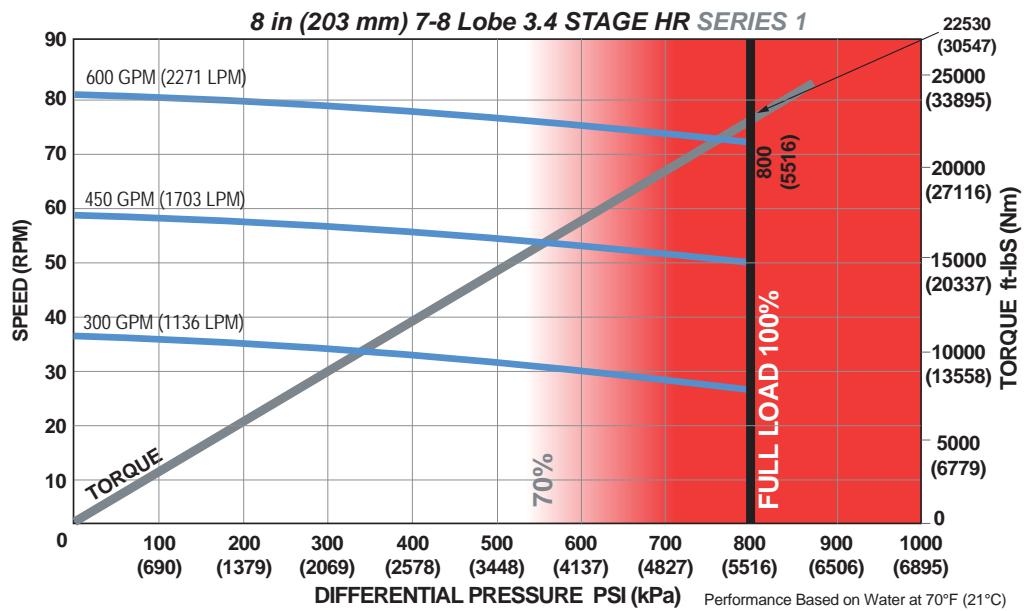


Bit Size Range		12-1/4 - 17-1/2 in	311 - 445 mm
Bit Box Connection		6-5/8 or 7-5/8 REGULAR	
Bearing Load On Bottom	Dynamic	240975 lbf	107190 daN
	Static	852600 lbf	379260 daN
Bearing Load Off Bottom	Dynamic	240975 lbf	107190 daN
	Static	852600 lbf	379260 daN
Max. Overpull (for re-run)		741100 lbf	330000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

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