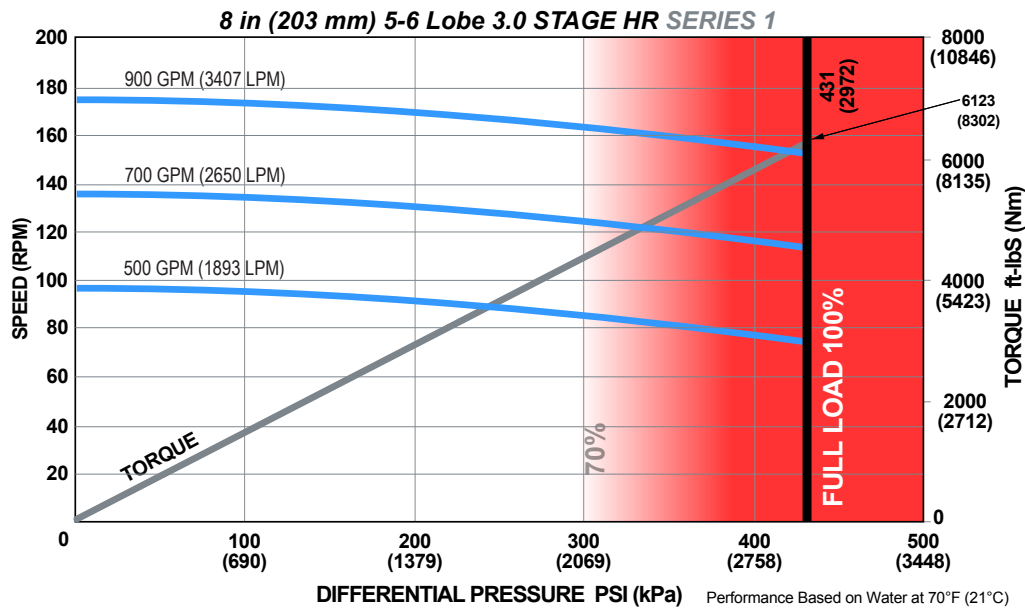


<b>Bit Size Range</b>		9-7/8 - 12-1/4 in	251 - 311 mm
<b>Bit Box Connection</b>		6-5/8 REGULAR	
<b>Bearing Load On Bottom</b>	<b>Dynamic</b>	162510 lbf	72290 daN
	<b>Static</b>	573485 lbf	255100 daN
<b>Bearing Load Off Bottom</b>	<b>Dynamic</b>	162510 lbf	72290 daN
	<b>Static</b>	573485 lbf	255100 daN
<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>		264.2 in	6711 mm
<b>Weight</b>		2822 lbs	1280 kg

<b>Lobe Configuration</b>	5-6 Lobe 3.0 Stage HR	
<b>Displacement (NO LOAD)</b>	0.19 rev/gal	0.05 rev/l
<b>Max. Differential @ FULL LOAD</b>	431 psi	2,972 kPa
<b>Max. Torque</b>	6,123 ft-lbs	8,302 Nm
<b>Max. Power</b>	166 HP	123 kW

Flow Rate		Speed
GPM	LPM	RPM
500	1,893	65 - 96
700	2,650	104 - 135
900	3,407	142 - 174



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

**ADJUSTABLE BUILD RATE: 8 in (203 mm) 5-6 Lobe 3.0 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	-	-	-	1.77	2.49	4.07
0.78	2.87	1.08	-	4.5	4.83	6.4
1.15	5.92	4.13	0.25	8.41	7.68	8.61
1.50	8.81	7.02	3.14	12.11	11.38	10.71
1.83	11.53	9.74	5.86	15.59	14.86	13.29
2.12	13.93	12.13	8.25	18.65	17.92	16.35
2.38	16.07	14.28	10.4	21.39	20.67	19.1
2.60	17.88	16.09	12.21	23.71	22.99	21.42
2.77	19.29	17.49	13.61	25.51	24.78	23.21
2.90	20.36	18.57	14.68	26.88	26.15	24.58
2.97	20.93	19.14	15.26	27.62	26.89	25.32
3.00	21.18	19.39	15.51	27.93	27.21	25.64

**FBH BUILD RATE: 8 in (203 mm) 5-6 Lobe 3.0 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	6.12	4.02	-	8.88	8.26	9.83
1.50	8.19	6.08	-	11.4	10.67	11.45
1.75	10.25	8.15	3.59	13.91	13.19	13.07
2.00	12.31	10.21	5.65	16.43	15.7	14.69

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.