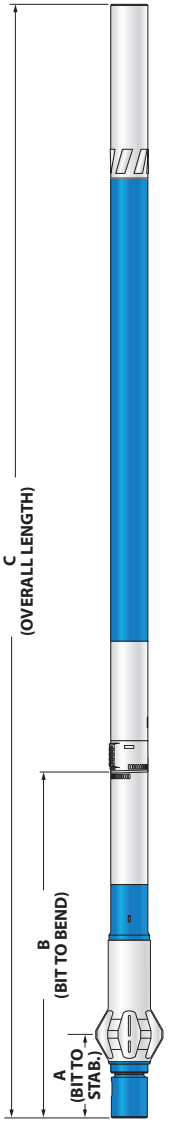
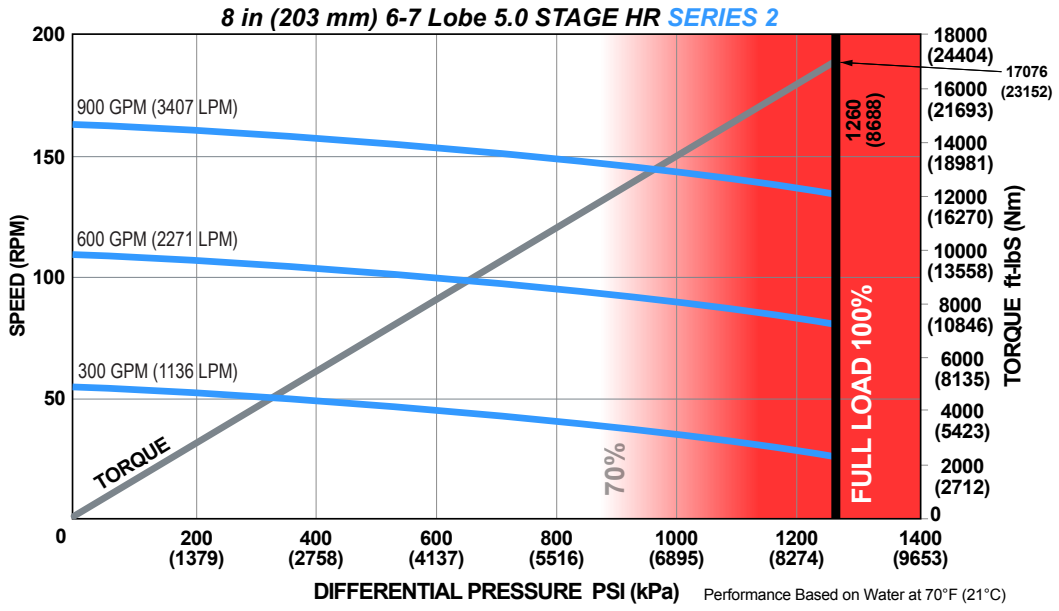
8 in (203 mm) 6-7 Lobe 5.0 Stage HR SERIES 2



Bit Size Range		9-7/8 - 12-1/4 in	251 - 311 mm
Bit Box Connection		6-5/8 REGULAR	
Bearing Load On Bottom	**Dynamic**	162510 lbf	72290 daN
	Static	573485 lbf	255100 daN
Bearing Load Off Bottom	**Dynamic**	162510 lbf	72290 daN
	Static	573485 lbf	255100 daN
Max. Overpull (for re-run)		554100 lbf	246000 daN
Absolute Overpull		923500 lbf	411000 daN
Adjustable Makeup Torque		40000 ft-lbs	54233 Nm
A = Bit to Stabilizer (centre)		16.87 in	428 mm
B = Bit to Bend	**Adjustable**	74.7 in	1897 mm
	Fixed	60.1 in	1527 mm
C = Overall (with Dump Sub)		390.4 in	9916 mm
Weight		3918 lbs	1777.2 kg

Lobe Configuration	6-7 Lobe 5.0 Stage HR	
Displacement (NO LOAD)	0.17 rev/gal	0.04 rev/l
Max. Differential @ FULL LOAD	1,260 psi	8,687 kPa
Max. Torque	17,076 ft-lbs	23,152 Nm
Max. Power	445 HP	332 kW

Flow Rate		**Speed**
GPM	**LPM**	**RPM**
300	1,136	28 - 51
600	2,271	83 - 106
900	3,407	137 - 160



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

ADJUSTABLE BUILD RATE: 8 in (203 mm) 6-7 Lobe 5.0 Stage HR SERIES 2

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	-	-	-	1.06	1.39	2.1
0.78	1.62	0.22	-	2.93	3.26	3.97
1.15	3.72	2.31	-	5.34	5.04	5.74
1.50	5.7	4.29	1.25	7.63	7.31	7.42
1.83	7.57	6.16	3.12	9.79	9.47	9
2.12	9.21	7.81	4.76	11.7	11.37	10.66
2.38	10.68	9.28	6.24	13.4	13.07	12.37
2.60	11.93	10.52	7.48	14.84	14.51	13.81
2.77	12.89	11.49	8.44	15.95	15.63	14.92
2.90	13.63	12.22	9.18	16.81	16.48	15.77
2.97	14.02	12.62	9.58	17.26	16.94	16.23
3.00	14.19	12.79	9.74	17.46	17.13	16.43

FBH BUILD RATE: 8 in (203 mm) 6-7 Lobe 5.0 Stage HR SERIES 2

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	3.72	2.03	-	5.72	5.79	6.5
1.50	5.13	3.44	-	7.31	7.05	7.75
1.75	6.55	4.86	1.2	8.89	8.56	9.01
2.00	7.96	6.28	2.62	10.47	10.15	10.26

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.

September 28, 2016

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