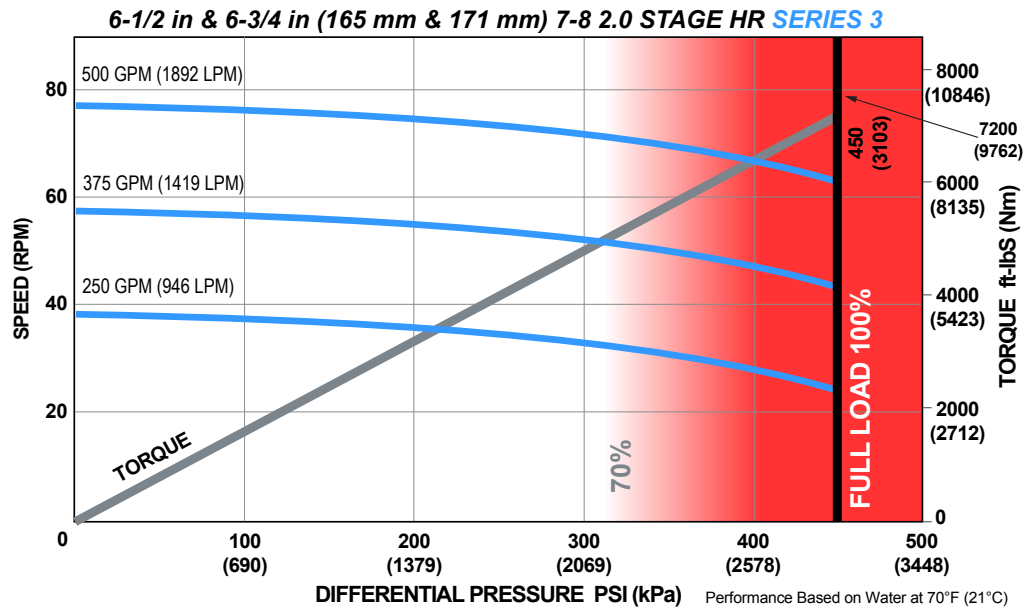


Bit Size Range		7-7/8 - 9-7/8 in	200 - 251 mm
Bit Box Connection		4-1/2 REGULAR	
Bearing Load On Bottom	Dynamic	131700 lbf	58580 daN
	Static	420400 lbf	187000 daN
Bearing Load Off Bottom	Dynamic	131700 lbf	58580 daN
	Static	420400 lbf	187000 daN
Max. Overpull (for re-run)		328000 lbf	146000 daN
Absolute Overpull		546000 lbf	243000 daN
Adjustable Makeup Torque		25000 ft-lbs	33895 Nm
A = Bit to Stabilizer (centre)		16.45 in	418 mm
B = Bit to Bend	Adjustable	64.97 in	1650 mm
	Fixed	52.97 in	1345 mm
C = Overall (with Dump Sub)		276.2 in	7015 mm
Weight		2165 lbs	982 kg

Lobe Configuration	7-8 Lobe 2.0 Stage HR	
Displacement (NO LOAD)	0.15 rev/gal	0.04 rev/l
Max. Differential @ FULL LOAD	450 psi	3,103 kPa
Max. Torque	7,200 ft-lbs	9,762 Nm
Max. Power	89 HP	66 kW

Flow Rate		Speed
GPM	LPM	RPM
250	946	25 - 38
375	1,420	45 - 58
500	1,893	65 - 77



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

ADJUSTABLE BUILD RATE: 6-1/2 & 6-3/4 in (165 & 171 mm) 7-8 Lobe 2.0 Stage HR SERIES 3

Hole Size	SLICK				STABILIZED			
	7-7/8 (200 mm)	8-1/2 (216 mm)	8-3/4 (222 mm)	9-7/8 (251 mm)	7-7/8 (200 mm)	8-1/2 (216 mm)	8-3/4 (222 mm)	9-7/8 (251 mm)
BEND ANGLE	Degrees per 100 Feet (30 m)				Degrees per 100 Feet (30 m)			
0.39	0.29	-	-	-	1.22	1.76	1.98	2.97
0.78	3.39	1.52	0.77	-	4.11	4.29	4.51	5.49
1.15	6.32	4.45	3.7	0.34	7.6	7.06	6.9	7.89
1.50	9.1	7.23	6.48	3.11	10.91	10.36	10.14	10.15
1.83	11.72	9.85	9.1	5.73	14.02	13.47	13.25	12.28
2.12	14.02	12.15	11.4	8.03	16.76	16.21	15.99	15
2.38	16.08	14.21	13.46	10.1	19.21	18.66	18.44	17.46
2.60	17.83	15.96	15.21	11.84	21.29	20.74	20.52	19.53
2.77	19.18	17.31	16.56	13.19	22.89	22.34	22.12	21.14
2.90	20.21	18.34	17.59	14.22	24.12	23.57	23.35	22.36
2.97	20.76	18.89	18.14	14.78	24.78	24.23	24.01	23.02
3.00	21	19.13	18.38	15.01	25.06	24.51	24.29	23.31

FBH BUILD RATE: 6-1/2 & 6-3/4 in (165 & 171 mm) 7-8 Lobe 2.0 Stage HR SERIES 3

Hole Size	SLICK				STABILIZED			
	7-7/8 (200 mm)	8-1/2 (216 mm)	8-3/4 (222 mm)	9-7/8 (251 mm)	7-7/8 (200 mm)	8-1/2 (216 mm)	8-3/4 (222 mm)	9-7/8 (251 mm)
BEND ANGLE	Degrees per 100 Feet (30 m)				Degrees per 100 Feet (30 m)			
1.25	6.59	4.37	3.48	-	8.11	7.79	8	8.99
1.50	8.58	6.35	5.46	1.47	10.38	9.83	9.71	10.7
1.75	10.56	8.34	7.45	3.45	12.65	12.1	11.88	12.41
2.00	12.54	10.32	9.43	5.43	14.91	14.37	14.15	14.12
2.25	14.53	12.3	11.42	7.42	17.18	16.63	16.41	15.82

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.