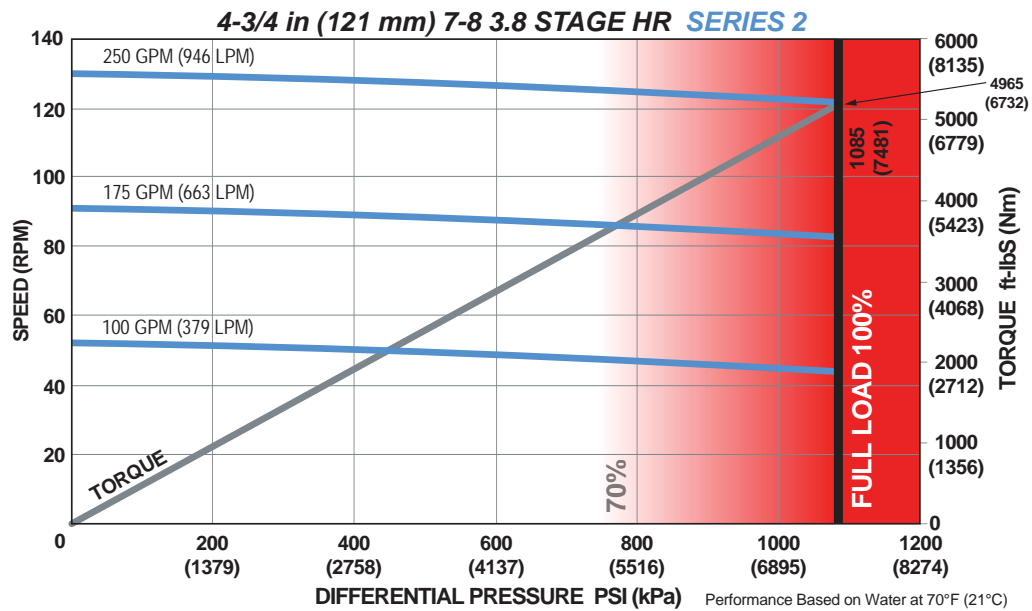


Bit Size Range		5-5/8 - 6-3/4 in	143 - 171 mm
Bit Box Connection		3-1/2 REGULAR	
Bearing Load On Bottom	Dynamic	71500 lbf	31800 daN
	Static	229350 lbf	102020 daN
Bearing Load Off Bottom	Dynamic	71500 lbf	31800 daN
	Static	229350 lbf	102020 daN
Max. Overpull (for re-run)		328000 lbf	146000 daN
Absolute Overpull		546000 lbf	243000 daN
Adjustable Makeup Torque		12000 ft-lbs	16270 Nm
A = Bit to Stabilizer (centre)	Adjustable	16.7 in	424 mm
	Fixed	56.3 in	1430 mm
B = Bit to Bend	Adjustable	45.7 in	1161 mm
	Fixed	45.7 in	1161 mm
C = Overall (with Dump Sub)		295.3 in	7501 mm
Weight		1094 lbs	496.2 kg

Lobe Configuration	7-8 Lobe 3.8 Stage HR	
Displacement (NO LOAD)	0.52 rev/gal	0.14 rev/l
Max. Differential @ FULL LOAD	1,085 psi	7,481 kPa
Max. Torque	4,965 ft-lbs	6,732 Nm
Max. Power	115 HP	89 kW

Flow Rate		Speed
GPM	LPM	RPM
100	379	42 - 52
175	662	82 - 91
250	946	122 - 130



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

ADJUSTABLE BUILD RATE: 4-3/4 in (121 mm) 7-8 Lobe 3.8 Stage HR SERIES 2

Hole Size	SLICK				STABILIZED			
	5-7/8 (149 mm)	6 (152 mm)	6-1/8 (156 mm)	6-1/4 (159 mm)	5-7/8 (149 mm)	6 (152 mm)	6-1/8 (156 mm)	6-1/4 (159 mm)
BEND ANGLE	Degrees per 100 Feet (30 m)				Degrees per 100 Feet (30 m)			
0.39	2.21	1.8	1.38	0.96	0.72	0.74	0.84	0.94
0.78	5.14	4.73	4.31	3.89	4.07	3.98	3.88	3.78
1.15	7.92	7.5	7.09	6.67	7.25	7.16	7.06	6.96
1.50	10.55	10.13	9.72	9.3	10.26	10.17	10.07	9.97
1.83	13.03	12.61	12.19	11.78	13.1	13	12.91	12.81
2.12	15.2	14.79	14.37	13.95	15.59	15.49	15.4	15.3
2.38	17.15	16.74	16.32	15.9	17.82	17.73	17.63	17.53
2.60	18.81	18.39	17.97	17.56	19.71	19.62	19.52	19.42
2.77	20.08	19.66	19.25	18.83	21.17	21.08	20.98	20.88
2.90	21.06	20.64	20.22	19.81	22.29	22.19	22.1	22
2.97	21.58	21.16	20.75	20.33	22.89	22.8	22.7	22.6
3.00	21.81	21.39	20.97	20.56	23.15	23.05	22.96	22.86

FBH BUILD RATE: 4-3/4 in (121 mm) 7-8 Lobe 3.8 Stage HR SERIES 2

Hole Size	SLICK				STABILIZED			
	5-7/8 (149 mm)	6 (152 mm)	6-1/8 (156 mm)	6-1/4 (159 mm)	5-7/8 (149 mm)	6 (152 mm)	6-1/8 (156 mm)	6-1/4 (159 mm)
BEND ANGLE	Degrees per 100 Feet (30 m)				Degrees per 100 Feet (30 m)			
1.25	8.53	8.03	7.53	7.03	7.76	7.67	7.57	7.47
1.50	10.41	9.91	9.41	8.91	9.84	9.74	9.65	9.55
1.75	12.28	11.79	11.29	10.79	11.92	11.82	11.72	11.63
2.00	14.16	13.66	13.16	12.67	14	13.9	13.8	13.7
2.25	16.04	15.54	15.04	14.54	16.07	15.97	15.88	15.78

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.