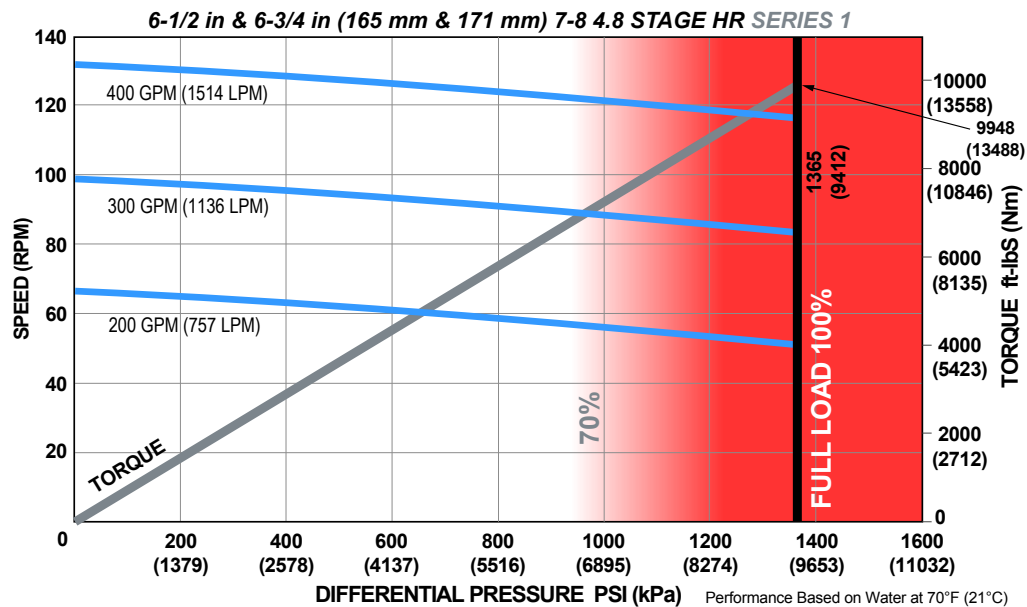


Bit Size Range		7-7/8 - 9-7/8 in	200 - 251 mm
Bit Box Connection		4-1/2 REGULAR	
Bearing Load On Bottom	Dynamic	128500 lbf	57160 daN
	Static	404500 lbf	179930 daN
Bearing Load Off Bottom	Dynamic	128500 lbf	57160 daN
	Static	404500 lbf	179930 daN
Max. Overpull (for re-run)		406900 lbf	181000 daN
Absolute Overpull		678200 lbf	302000 daN
Adjustable Makeup Torque		25000 ft-lbs	33895 Nm
A = Bit to Stabilizer (centre)		16.3 in	414 mm
B = Bit to Bend	Adjustable	73 in	1854 mm
	Fixed	61.1 in	1552 mm
C = Overall (with Dump Sub)		334.6 in	8499 mm
Weight		2325 lbs	1054.6 kg

Lobe Configuration	7-8 Lobe 4.8 Stage HR	
Displacement (NO LOAD)	0.33 rev/gal	0.09 rev/l
Max. Differential @ FULL LOAD	1,365 psi	9,411 kPa
Max. Torque	9,948 ft-lbs	13,488 Nm
Max. Power	220 HP	164 kW

Flow Rate		Speed
GPM	LPM	RPM
200	757	51 - 66
300	1,136	84 - 99
400	1,514	116 - 132



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 4.8 Stage HR SERIES 1

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	0.9	-	-	-	0.91	1.28	1.43	2.1
0.78	3.47	2.06	1.5	-	3.55	3.4	3.54	4.21
1.15	5.91	4.5	3.94	1.41	6.43	6.05	5.91	6.22
1.50	8.22	6.81	6.25	3.72	9.15	8.78	8.63	8.12
1.83	10.39	8.99	8.43	5.89	11.72	11.35	11.2	10.53
2.12	12.31	10.9	10.34	7.81	13.98	13.61	13.46	12.79
2.38	14.02	12.61	12.05	9.52	16	15.63	15.48	14.81
2.60	15.47	14.06	13.5	10.97	17.72	17.34	17.19	16.53
2.77	16.59	15.18	14.62	12.09	19.04	18.67	18.52	17.85
2.90	17.45	16.04	15.48	12.95	20.05	19.68	19.53	18.86
2.97	17.91	16.5	15.94	13.41	20.59	20.22	20.07	19.4
3.00	18.11	16.7	16.14	13.61	20.83	20.46	20.31	19.64

FBH BUILD RATE: 6-1/2 & 6-3/4 in (165 & 171 mm) 7-8 Lobe 4.8 Stage HR SERIES 1

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	6.29	4.65	4	1.05	6.91	6.54	6.41	7.08
1.50	7.94	6.3	5.65	2.7	8.79	8.42	8.27	8.5
1.75	9.59	7.95	7.3	4.35	10.68	10.31	10.16	9.91
2.00	11.24	9.6	8.95	6	12.56	12.19	12.04	11.37
2.25	12.89	11.25	10.59	7.64	14.45	14.08	13.93	13.26

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.