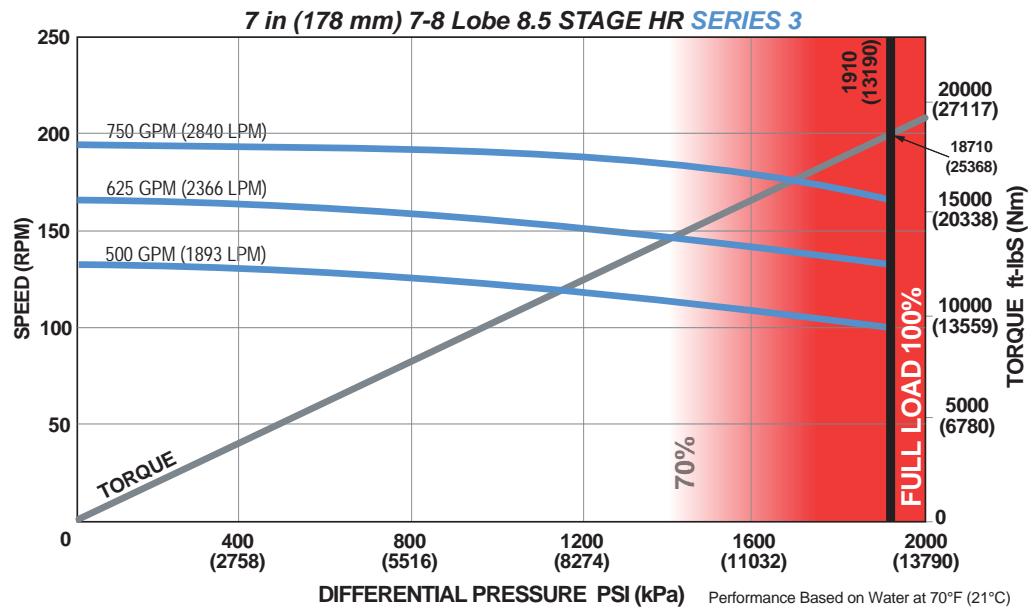


<b>Bit Size Range</b>		8-1/2 - 9-7/8 in	216 - 251 mm
<b>Bit Box Connection</b>		4-1/2 REGULAR	
<b>Bearing Load On Bottom</b>	<b>Dynamic</b>	151925 lbf	67580 daN
	<b>Static</b>	509765 lbf	226750 daN
<b>Bearing Load - Off Bottom</b>	<b>Dynamic</b>	151925 lbf	67580 daN
	<b>Static</b>	509765 lbf	226750 daN
<b>Max. Overpull for Re-run</b>		509765 lbf	227000 daN
<b>Absolute Overpull</b>		742200 lbf	330000 daN
<b>Adjustable Make Up Torque</b>		35000 ft-lbs	47454 Nm
<b>A = Bit To Stabilizer (center)</b>		16 in	406 mm
<b>B = Bit to Bend</b>	<b>Adjustable</b>	68 in	1727 mm
	<b>Fixed</b>	56 in	1422 mm
<b>C = Overall Length</b>		431 in	10947 mm
<b>Weight</b>		2976 lbs	1349.9 kg

<b>Lobe Configuration</b>	7-8 Lobe 8.5 Stage HR	
<b>Displacement</b>	0.26 rev/gal	0.07 rev/l
<b>Max Differential @ No Load</b>	1,910 psi	13,169 kPa
<b>Max Torque @ No Load</b>	18,710 ft-lbs	25,367 Nm
<b>Max Power</b>	606 HP	452 kW

Flow Rate		Speed
GPM	LPM	RPM
500	1,893	100 - 130
625	2,366	135 - 165
750	2,839	170 - 200



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

### ADJUSTABLE BUILD RATE: 7 in (178 mm) 7-8 Lobe 8.5 Stage HR SERIES 3

Hole Size	SLICK			STABILIZED		
	8-1/2 (216 mm)	8-3/4 (222 mm)	9-7/8 (251 mm)	8-1/2 (216 mm)	8-3/4 (222 mm)	9-7/8 (251 mm)
<b>BEND ANGLE</b>	Degrees per 100 Feet (30 m)			Degrees per 100 Feet (30 m)		
0.39	1.79	1.32	-	0.84	0.93	1.33
0.78	3.80	3.33	1.23	2.84	2.75	3.09
1.15	5.71	5.24	3.14	4.99	4.91	4.76
1.50	7.51	7.04	4.94	7.03	6.94	6.54
1.83	9.21	8.75	6.64	8.95	8.86	8.46
2.12	10.71	10.24	8.14	10.64	10.55	10.14
2.38	12.05	11.58	9.48	12.15	12.06	11.66
2.60	13.18	12.72	10.61	13.43	13.34	12.93
2.77	14.06	13.59	11.49	14.41	14.32	13.92
2.90	14.73	14.26	12.16	15.17	15.08	14.68
2.97	15.09	14.62	12.52	15.58	15.49	15.08
3.00	15.24	14.78	12.67	15.75	15.66	15.26

### FBH BUILD RATE: 7 in (178 mm) 7-8 Lobe 8.5 Stage HR SERIES 3

Hole Size	SLICK			STABILIZED		
	8-1/2 (216 mm)	8-3/4 (222 mm)	9-7/8 (251 mm)	8-1/2 (216 mm)	8-3/4 (222 mm)	9-7/8 (251 mm)
<b>BEND ANGLE</b>	Degrees per 100 Feet (30 m)			Degrees per 100 Feet (30 m)		
1.25	6.18	5.63	3.15	5.39	5.30	5.40
1.50	7.47	6.92	4.44	6.80	6.71	6.57
1.75	8.76	8.21	5.73	8.22	8.13	7.74
2.00	10.05	9.50	7.02	9.63	9.55	9.14
2.25	11.34	10.79	8.31	11.05	10.96	10.56
2.50	12.63	12.08	9.59	12.47	12.38	11.98

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.