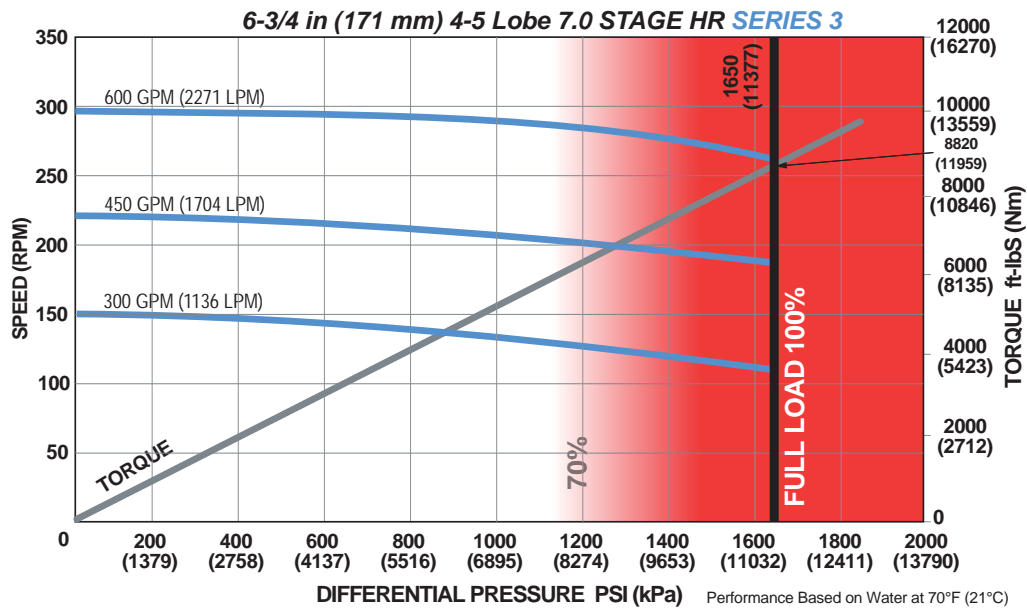


<b>Bit Size Range</b>		8-1/2 - 9-7/8 in	216 - 251 mm
<b>Bit Box Connection</b>		4-1/2 REGULAR	
<b>Bearing Load On Bottom</b>	<b>Dynamic</b>	151925 lbf	67580 daN
	<b>Static</b>	509765 lbf	226750 daN
<b>Bearing Load - Off Bottom</b>	<b>Dynamic</b>	151925 lbf	67580 daN
	<b>Static</b>	509765 lbf	226750 daN
<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>		341 in	8661 mm
<b>Weight</b>		2142 lbs	971.6 kg

<b>Lobe Configuration</b>	4-5 Lobe 7.0 Stage HR	
<b>Displacement</b>	0.49 rev/gal	0.13 rev/l
<b>Max Differential @ No Load</b>	1,650 psi	11,376 kPa
<b>Max Torque @ No Load</b>	8,820 ft-lbs	11,958 Nm
<b>Max Power</b>	438 HP	327 kW

Flow Rate		Speed
GPM	LPM	RPM
300	1,136	114 - 147
450	1,703	187 - 221
600	2,271	261 - 294



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

### ADJUSTABLE BUILD RATE: 7 in (178 mm) Bottom w/ 6-3/4 (171 mm) 4-5 Lobe 7.0 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)		
<b>0.39</b>	2.24	1.66	-	1.12	1.26	1.91
<b>0.78</b>	4.77	4.18	1.54	3.64	3.50	4.03
<b>1.15</b>	7.17	6.58	3.94	6.43	6.28	6.05
<b>1.50</b>	9.43	8.85	6.20	9.06	8.92	8.27
<b>1.83</b>	11.57	10.98	8.34	11.54	11.40	10.76
<b>2.12</b>	13.45	12.86	10.22	13.73	13.58	12.94
<b>2.38</b>	15.13	14.54	11.90	15.68	15.54	14.90
<b>2.60</b>	16.55	15.97	13.32	17.34	17.20	16.55
<b>2.77</b>	17.65	17.07	14.42	18.62	18.47	17.83
<b>2.90</b>	18.49	17.91	15.26	19.60	19.45	18.81
<b>2.97</b>	18.95	18.36	15.72	20.12	19.98	19.34
<b>3.00</b>	19.14	18.55	15.91	20.35	20.20	19.56

### FBH BUILD RATE: 7 in (178 mm) Bottom w/ 6-3/4 (171 mm) 4-5 Lobe 7.0 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)		
<b>1.25</b>	7.76	7.07	3.96	6.87	6.73	6.89
<b>1.50</b>	9.38	8.69	5.57	8.69	8.55	8.32
<b>1.75</b>	11.00	10.31	7.19	10.51	10.37	9.74
<b>2.00</b>	12.62	11.93	8.81	12.34	12.19	11.55
<b>2.25</b>	14.24	13.55	10.43	14.16	14.01	13.37
<b>2.50</b>	15.86	15.16	12.05	15.98	15.84	15.19

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.