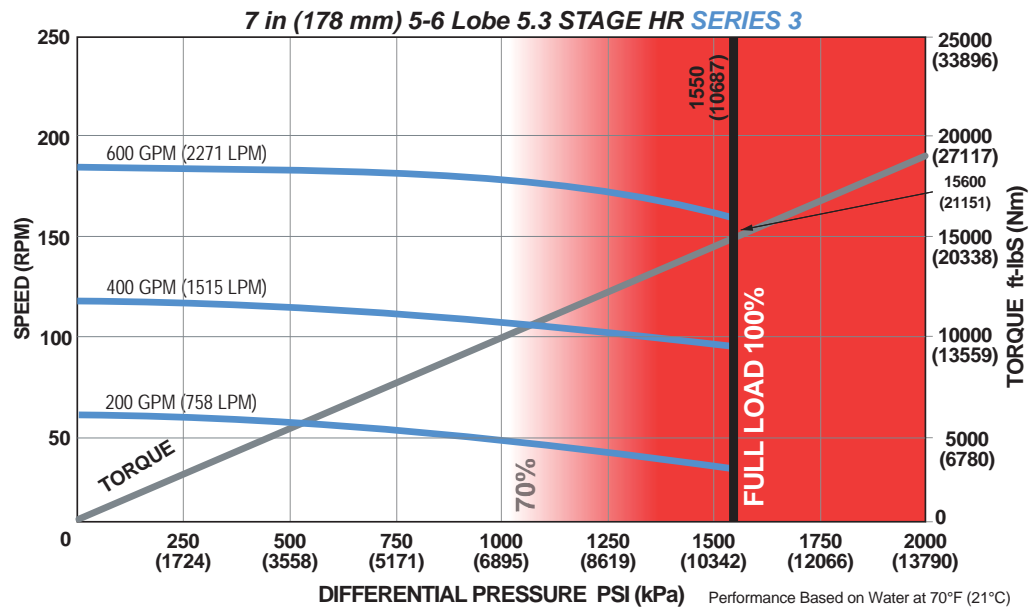


<b>Bit Size Range</b>		8-1/2 - 9-7/8 in	216 - 251 mm
<b>Bit Box Connection</b>		4-1/2 REGULAR	
<b>Bearing Load On Bottom</b>	<b>Dynamic</b>	151925 lbf	67580 daN
	<b>Static</b>	509765 lbf	226750 daN
<b>Bearing Load - Off Bottom</b>	<b>Dynamic</b>	151925 lbf	67580 daN
	<b>Static</b>	509765 lbf	226750 daN
<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>		366.8 in	9317 mm
<b>Weight</b>		2205 lbs	1000.2 kg

<b>Lobe Configuration</b>	5-6 Lobe 5.3 Stage HR	
<b>Displacement</b>	0.30 rev/gal	0.08 rev/l
<b>Max Differential @ No Load</b>	1,550 psi	10,687 kPa
<b>Max Torque @ No Load</b>	15,600 ft-lbs	21,151 Nm
<b>Max Power</b>	475 HP	354 kW

Flow Rate		Speed
GPM	LPM	RPM
200	757	35 - 60
425	1,609	98 - 120
650	2,461	160 - 180



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

### ADJUSTABLE BUILD RATE: 7 in (178 mm) 5-6 Lobe 5.3 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>	2.09	1.54	-0.92	1.02	1.15	1.70
<b>0.78</b>	4.44	3.90	1.44	3.37	3.25	3.71
<b>1.15</b>	6.68	6.13	3.67	5.94	5.81	5.62
<b>1.50</b>	8.79	8.24	5.78	8.37	8.24	7.69
<b>1.83</b>	10.78	10.23	7.77	10.66	10.54	9.98
<b>2.12</b>	12.53	11.98	9.52	12.67	12.55	11.99
<b>2.38</b>	14.10	13.55	11.09	14.48	14.35	13.80
<b>2.60</b>	15.42	14.88	12.41	16.00	15.88	15.32
<b>2.77</b>	16.45	15.90	13.44	17.18	17.06	16.50
<b>2.90</b>	17.23	16.68	14.22	18.08	17.96	17.40
<b>2.97</b>	17.65	17.11	14.64	18.57	18.45	17.89
<b>3.00</b>	17.83	17.29	14.82	18.78	18.65	18.10

### FBH BUILD RATE: 7 in (178 mm) 5-6 Lobe 5.3 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>	7.23	6.59	3.69	6.37	6.24	6.39
<b>1.50</b>	8.74	8.10	5.19	8.05	7.93	7.73
<b>1.75</b>	10.25	9.60	6.70	9.73	9.61	9.07
<b>2.00</b>	11.76	11.11	8.21	11.42	11.29	10.74
<b>2.25</b>	13.27	12.62	9.72	13.10	12.98	12.42
<b>2.50</b>	14.77	14.13	11.22	14.78	14.66	14.11

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.