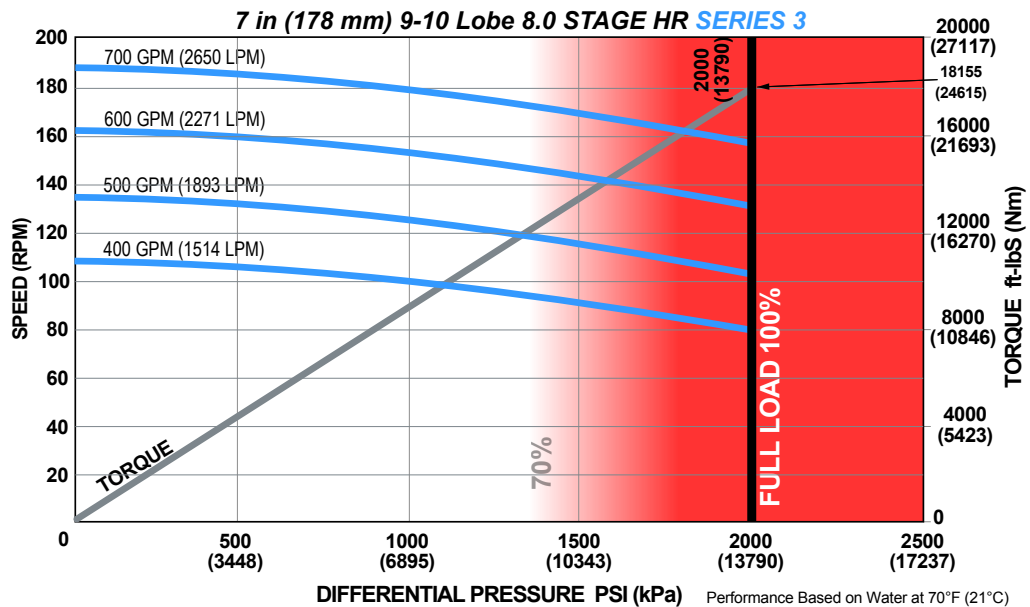




<b>Bit Size Range</b>		8-1/2 - 9-7/8 in	216 - 251 mm
<b>Bit Box Connection</b>		4-1/2 REGULAR	
<b>Bearing Load On Bottom</b>	<b>Dynamic</b>	151925 lbf	67580 daN
	<b>Static</b>	509765 lbf	226750 daN
<b>Bearing Load - Off Bottom</b>	<b>Dynamic</b>	151925 lbf	67580 daN
	<b>Static</b>	509765 lbf	226750 daN
<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>		32000 ft-lbs	43386 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>		391 in	9931 mm
<b>Weight</b>		2595 lbs	1177.1 kg

<b>Lobe Configuration</b>	9-10 Lobe 8.0 Stage	
<b>Displacement</b>	0.27 rev/gal	0.07 rev/l
<b>Max Differential @ No Load</b>	2,000 psi	13,790 kPa
<b>Max Torque @ No Load</b>	18,155 ft-lbs	24,615 Nm
<b>Max Power</b>	553 HP	412 kW

Flow Rate		Speed
GPM	LPM	RPM
400	1,514	80 - 108
550	2,082	120 - 148
700	2,650	160 - 188



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

### ADJUSTABLE BUILD RATE: 7 in (178 mm) 9-10 Lobe 8.0 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>	1.97	1.45	-	0.94	1.05	1.54
<b>0.78</b>	4.18	3.66	1.35	3.15	3.04	3.45
<b>1.15</b>	6.28	5.76	3.45	5.54	5.43	5.26
<b>1.50</b>	8.26	7.75	5.43	7.81	7.70	7.21
<b>1.83</b>	10.13	9.62	7.30	9.94	9.83	9.35
<b>2.12</b>	11.77	11.26	8.95	11.82	11.71	11.22
<b>2.38</b>	13.25	12.73	10.42	13.50	13.39	12.90
<b>2.60</b>	14.49	13.98	11.67	14.92	14.81	14.33
<b>2.77</b>	15.46	14.94	12.63	16.02	15.91	15.43
<b>2.90</b>	16.19	15.68	13.37	16.86	16.75	16.27
<b>2.97</b>	16.59	16.08	13.76	17.31	17.21	16.72
<b>3.00</b>	16.76	16.25	13.93	17.51	17.40	16.91

### FBH BUILD RATE: 7 in (178 mm) 9-10 Lobe 8.0 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>	6.80	6.19	3.46	5.96	5.85	5.98
<b>1.50</b>	8.22	7.61	4.88	7.53	7.42	7.25
<b>1.75</b>	9.63	9.03	6.30	9.10	8.99	8.52
<b>2.00</b>	11.05	10.44	7.72	10.67	10.56	10.08
<b>2.25</b>	12.47	11.86	9.13	12.24	12.14	11.65
<b>2.50</b>	13.88	13.28	10.55	13.82	13.71	13.22

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.