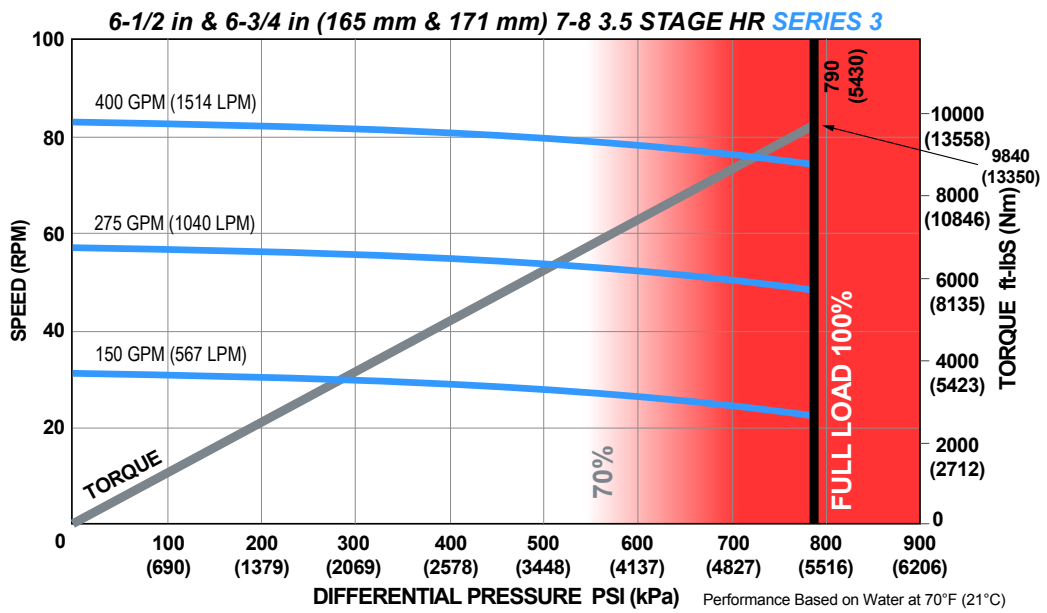


<b>Bit Size Range</b>		7-7/8 - 9-7/8 in	200 - 251 mm
<b>Bit Box Connection</b>		4-1/2 REGULAR	
<b>Bearing Load On Bottom</b>	<b>Dynamic</b>	131700 lbf	58580 daN
	<b>Static</b>	420400 lbf	187000 daN
<b>Bearing Load Off Bottom</b>	<b>Dynamic</b>	131700 lbf	58580 daN
	<b>Static</b>	420400 lbf	187000 daN
<b>Max. Overpull (for re-run)</b>		328000 lbf	146000 daN
<b>Absolute Overpull</b>		546000 lbf	243000 daN
<b>Adjustable Makeup Torque</b>		25000 ft-lbs	33895 Nm
<b>A = Bit to Stabilizer (centre)</b>		16.45 in	418 mm
<b>B = Bit to Bend</b>	<b>Adjustable</b>	64.97 in	1650 mm
	<b>Fixed</b>	52.97 in	1345 mm
<b>C = Overall (with Dump Sub)</b>		354 in	8992 mm
<b>Weight</b>		2586 lbs	1173 kg

<b>Lobe Configuration</b>	7-8 Lobe 3.5 Stage HR	
<b>Displacement (NO LOAD)</b>	0.21 rev/gal	0.05 rev/l
<b>Max. Differential @ FULL LOAD</b>	790 psi	5,447 kPa
<b>Max. Torque</b>	9,840 ft-lbs	13,341 Nm
<b>Max. Power</b>	135 HP	101 kW

Flow Rate		Speed
GPM	LPM	RPM
150	568	22 - 31
275	1,041	47 - 57
400	1,514	72 - 83



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 3.5 Stage HR SERIES 3**

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)
<b>BEND ANGLE</b>	Degrees per 100 Feet (30 m)				Degrees per 100 Feet (30 m)			
<b>0.39</b>	0.23	-	-	-	0.92	1.25	1.39	1.98
<b>0.78</b>	2.67	1.19	0.6	-	3.25	3.34	3.48	4.07
<b>1.15</b>	4.98	3.5	2.91	0.26	5.9	5.57	5.46	6.06
<b>1.50</b>	7.16	5.69	5.1	2.45	8.4	8.07	7.94	7.93
<b>1.83</b>	9.22	7.75	7.16	4.51	10.77	10.43	10.3	9.7
<b>2.12</b>	11.03	9.56	8.97	6.32	12.84	12.51	12.38	11.78
<b>2.38</b>	12.66	11.18	10.59	7.94	14.7	14.37	14.24	13.64
<b>2.60</b>	14.03	12.56	11.97	9.32	16.28	15.94	15.81	15.21
<b>2.77</b>	15.09	13.62	13.03	10.38	17.49	17.16	17.03	16.43
<b>2.90</b>	15.9	14.43	13.84	11.19	18.42	18.09	17.96	17.36
<b>2.97</b>	16.34	14.86	14.28	11.63	18.92	18.59	18.46	17.86
<b>3.00</b>	16.52	15.05	14.46	11.81	19.14	18.8	18.67	18.07

**FBH BUILD RATE: 6-1/2 & 6-3/4 in (165 & 171 mm) 7-8 Lobe 3.5 Stage HR SERIES 3**

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)
<b>BEND ANGLE</b>	Degrees per 100 Feet (30 m)				Degrees per 100 Feet (30 m)			
<b>1.25</b>	5.19	3.44	2.74	-	6.35	6.14	6.27	6.87
<b>1.50</b>	6.75	5	4.3	1.15	8.08	7.75	7.67	8.27
<b>1.75</b>	8.31	6.56	5.86	2.71	9.81	9.48	9.35	9.66
<b>2.00</b>	9.87	8.12	7.42	4.27	11.55	11.22	11.08	11.06
<b>2.25</b>	11.43	9.68	8.98	5.84	13.28	12.95	12.82	12.45

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.