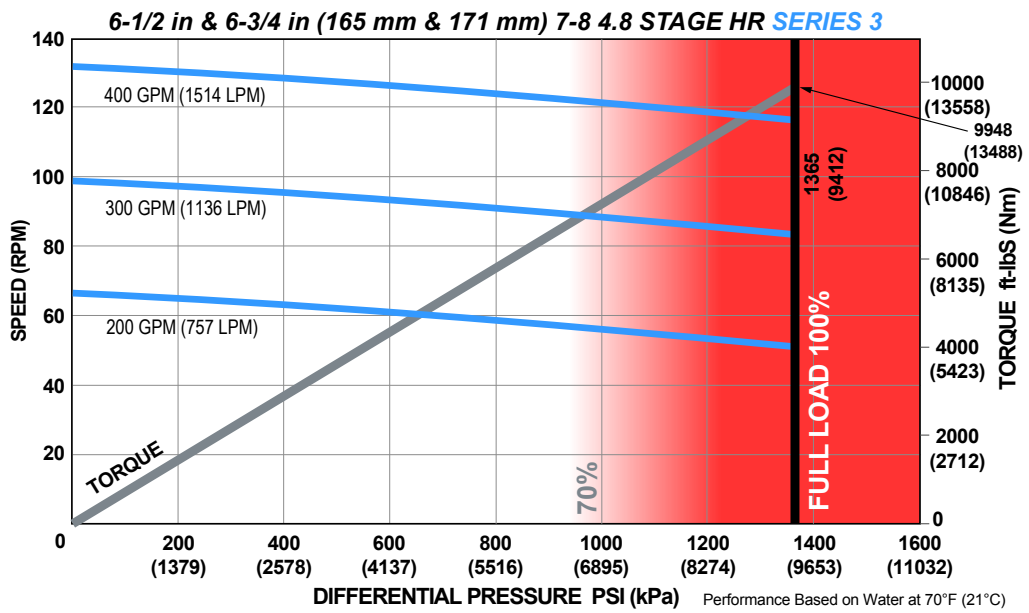


<b>Bit Size Range</b>		7-7/8 - 9-7/8 in	200 - 251 mm
<b>Bit Box Connection</b>		4-1/2 REGULAR	
<b>Bearing Load On Bottom</b>	<b>Dynamic</b>	131700 lbf	58580 daN
	<b>Static</b>	420400 lbf	187000 daN
<b>Bearing Load Off Bottom</b>	<b>Dynamic</b>	131700 lbf	58580 daN
	<b>Static</b>	420400 lbf	187000 daN
<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>	<b>Adjustable</b>	16.45 in	418 mm
	<b>Fixed</b>	64.97 in	1650 mm
<b>B = Bit to Bend</b>	<b>Adjustable</b>	52.97 in	1345 mm
	<b>Fixed</b>	52.97 in	1345 mm
<b>C = Overall (with Dump Sub)</b>		326.2 in	8285 mm
<b>Weight</b>		2257 lbs	1023.8 kg

<b>Lobe Configuration</b>	7-8 Lobe 4.8 Stage HR	
<b>Displacement (NO LOAD)</b>	0.33 rev/gal	0.09 rev/l
<b>Max. Differential @ FULL LOAD</b>	1,365 psi	9,411 kPa
<b>Max. Torque</b>	9,948 ft-lbs	13,488 Nm
<b>Max. Power</b>	220 HP	164 kW

Flow Rate		Speed
GPM	LPM	RPM
200	757	51 - 66
300	1,136	84 - 99
400	1,514	116 - 132



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 4.8 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>	0.25	-	-	-	1.01	1.4	1.56	2.26
<b>0.78</b>	2.88	1.29	0.65	-	3.51	3.63	3.79	4.49
<b>1.15</b>	5.39	3.79	3.16	0.29	6.41	6.02	5.9	6.6
<b>1.50</b>	7.75	6.16	5.52	2.65	9.16	8.76	8.61	8.6
<b>1.83</b>	9.98	8.39	7.75	4.88	11.74	11.35	11.19	10.49
<b>2.12</b>	11.94	10.35	9.71	6.84	14.01	13.62	13.47	12.76
<b>2.38</b>	13.7	12.11	11.47	8.6	16.05	15.66	15.5	14.8
<b>2.60</b>	15.18	13.59	12.95	10.09	17.77	17.38	17.22	16.52
<b>2.77</b>	16.33	14.74	14.1	11.23	19.1	18.71	18.56	17.85
<b>2.90</b>	17.21	15.62	14.98	12.11	20.12	19.73	19.57	18.87
<b>2.97</b>	17.68	16.09	15.45	12.58	20.67	20.28	20.12	19.42
<b>3.00</b>	17.89	16.29	15.66	12.79	20.9	20.51	20.36	19.65

**FBH BUILD RATE: 6-1/2 & 6-3/4 in (165 & 171 mm) 7-8 Lobe 4.8 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>	5.61	3.72	2.96	-	6.88	6.64	6.8	7.5
<b>1.50</b>	7.3	5.41	4.65	1.25	8.78	8.38	8.29	9
<b>1.75</b>	8.99	7.1	6.34	2.94	10.67	10.28	10.12	10.49
<b>2.00</b>	10.68	8.79	8.03	4.63	12.56	12.17	12.01	11.98
<b>2.25</b>	12.37	10.48	9.72	6.32	14.45	14.06	13.91	13.48

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.