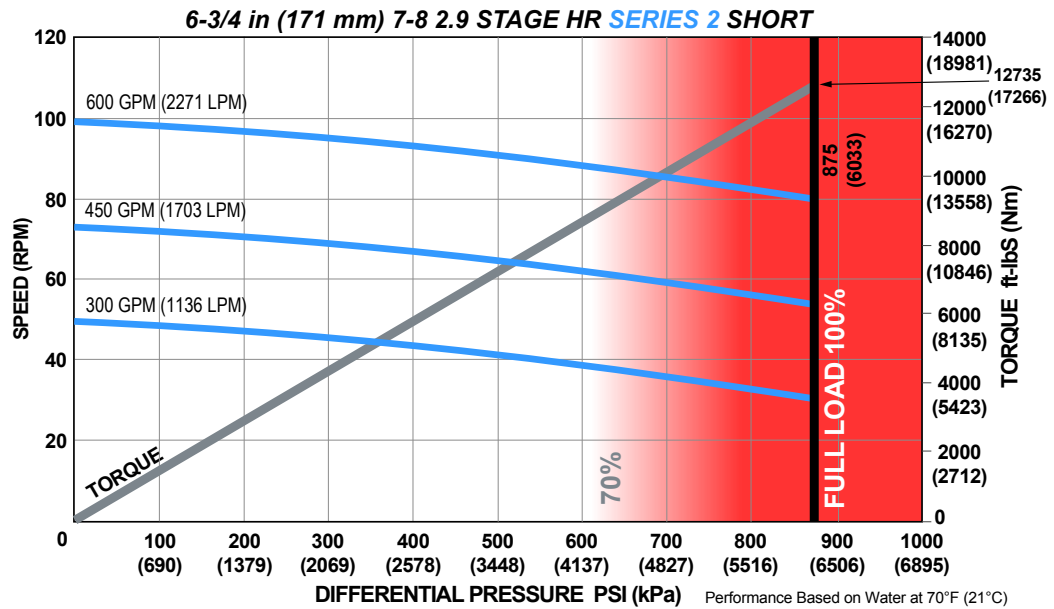


Bit Size Range		8-1/2 - 9-7/8 in	216 - 251 mm
Bit Box Connection		4-1/2 REGULAR	
Bearing Load On Bottom	Dynamic	162100 lbf	72110 daN
	Static	510500 lbf	227080 daN
Bearing Load Off Bottom	Dynamic	162100 lbf	72110 daN
	Static	510500 lbf	227080 daN
Max. Overpull (for re-run)		602600 lbf	268000 daN
Absolute Overpull		1004400 lbf	447000 daN
Adjustable Makeup Torque		25000 ft-lbs	33895 Nm
A = Bit to Stabilizer (centre)		17.2 in	437 mm
B = Bit to Bend	Adjustable	66 in	1676 mm
	Fixed	54 in	1372 mm
C = Overall (with Dump Sub)		341.1 in	8664 mm
Weight		2589 lbs	1174.4 kg

Lobe Configuration	7-8 Lobe 2.9 Stage HR	
Displacement (NO LOAD)	0.17 rev/gal	0.04 rev/l
Max. Differential @ FULL LOAD	875 psi	6,033 kPa
Max. Torque	12,735 ft-lbs	17,266 Nm
Max. Power	194 HP	145 kW

Flow Rate		Speed
GPM	LPM	RPM
300	1,136	30 - 50
450	1,703	55 - 75
600	2,271	80 - 99



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

ADJUSTABLE BUILD RATE: 6-3/4 in (171 mm) 7-8 Lobe 2.9 Stage HR **SERIES 2 SHORT**

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)
BEND ANGLE	Degrees per 100 Feet (30 m)			Degrees per 100 Feet (30 m)		
0.39	-	-	-	1.22	1.36	2.01
0.78	2.35	1.75	-	3.46	3.51	4.16
1.15	4.75	4.15	1.44	6.22	6.08	6.2
1.50	7.01	6.41	3.7	8.83	8.69	8.12
1.83	9.15	8.55	5.84	11.3	11.15	10.51
2.12	11.03	10.42	7.71	13.46	13.32	12.67
2.38	12.71	12.11	9.4	15.4	15.26	14.61
2.60	14.13	13.53	10.82	17.04	16.9	16.25
2.77	15.23	14.63	11.92	18.31	18.17	17.52
2.90	16.07	15.47	12.76	19.28	19.14	18.49
2.97	16.53	15.92	13.21	19.8	19.66	19.01
3.00	16.72	16.12	13.41	20.03	19.88	19.24

FBH BUILD RATE: 6-3/4 in (171 mm) 7-8 Lobe 2.9 Stage HR **SERIES 2 SHORT**

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)
BEND ANGLE	Degrees per 100 Feet (30 m)			Degrees per 100 Feet (30 m)		
1.25	4.9	4.18	0.97	6.67	6.52	7.05
1.50	6.52	5.8	2.59	8.47	8.33	8.48
1.75	8.13	7.42	4.21	10.28	10.14	9.92
2.00	9.75	9.04	5.83	12.09	11.94	11.36
2.25	11.37	10.66	7.45	13.89	13.75	13.1

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.