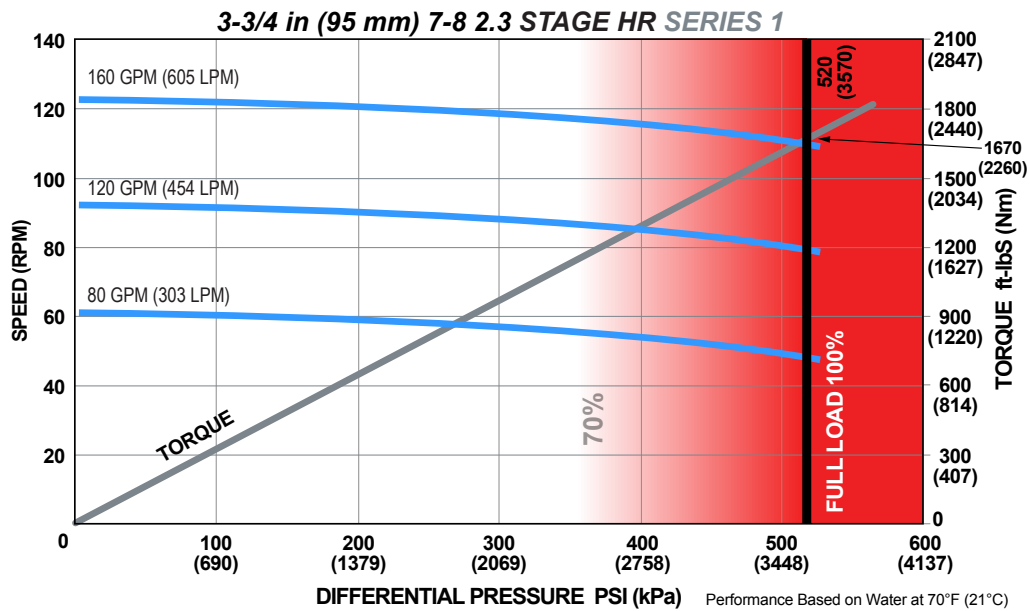


Bit Size Range		4-3/4 - 5-7/8 in	121 - 149 mm
Bit Box Connection		2-7/8 REGULAR	
Bearing Load On Bottom	Dynamic	31850 lbf	14170 daN
	Static	104100 lbf	46310 daN
Bearing Load Off Bottom	Dynamic	31850 lbf	14170 daN
	Static	104100 lbf	46310 daN
Max. Overpull (for re-run)		154100 lbf	69000 daN
Absolute Overpull		256800 lbf	114000 daN
Adjustable Makeup Torque		2500 ft-lbs	3390 Nm
A = Bit to Stabilizer (centre)	Adjustable	10 in	254 mm
	Fixed	50.6 in	1285 mm
B = Bit to Bend	Adjustable	41.5 in	1054 mm
	Fixed	41.5 in	1054 mm
C = Overall (with Dump Sub)		234.7 in	5961 mm
Weight		438 lbs	198.7 kg

Lobe Configuration	7-8 Lobe 2.3 Stage HR	
Displacement (NO LOAD)	0.77 rev/gal	0.20 rev/l
Max. Differential @ FULL LOAD	520 psi	3,585 kPa
Max. Torque	1,670 ft-lbs	2,264 Nm
Max. Power	35 HP	26 kW

Flow Rate		Speed
GPM	LPM	RPM
80	303	50 - 61
120	454	80 - 96
160	606	110 - 130



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

ADJUSTABLE BUILD RATE: 3 3/4 in (95 mm) 7-8 Lobe 2.3 Stage HR SERIES 1

Hole Size	SLICK			STABILIZED		
	4-3/4 (121 mm)	5-7/8 (149 mm)	-	4-3/4 (121 mm)	5-7/8 (149 mm)	-
BEND ANGLE	Degrees per 100 Feet (30 m)			Degrees per 100 Feet (30 m)		
0.39	0.18	-	-	-	1.35	-
0.78	3.85	-	-	3.87	4.37	-
1.15	7.34	2.09	-	8	7.23	-
1.50	10.63	5.38	-	11.9	10.55	-
1.83	13.74	8.49	-	15.58	14.22	-
2.12	16.47	11.22	-	18.81	17.46	-
2.38	18.92	13.67	-	21.71	20.35	-
2.60	20.99	15.74	-	24.16	22.8	-
2.77	22.59	17.34	-	26.05	24.7	-
2.90	23.82	18.57	-	27.5	26.15	-
2.97	24.48	19.23	-	28.28	26.93	-
3.00	24.76	19.51	-	28.61	27.26	-

FBH BUILD RATE: 3 3/4 in (95 mm) 7-8 Lobe 2.3 Stage HR SERIES 1

Hole Size	SLICK			STABILIZED		
	4-3/4 (121 mm)	5-7/8 (149 mm)	-	4-3/4 (121 mm)	5-7/8 (149 mm)	-
BEND ANGLE	Degrees per 100 Feet (30 m)			Degrees per 100 Feet (30 m)		
1.25	7.63	1.4	-	8.63	8.48	-
1.50	9.98	3.75	-	11.33	10.51	-
1.75	12.34	6.11	-	14.02	12.66	-
2.00	14.69	8.46	-	16.71	15.35	-

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.