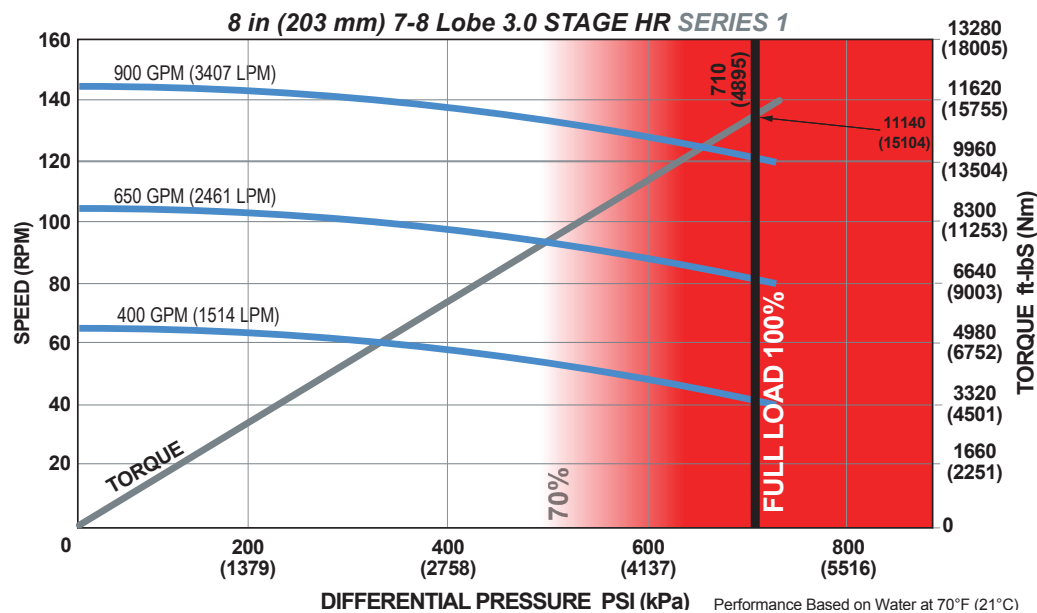


Bit Size Range		9-7/8 - 12-1/4 in	251 - 311 mm
Bit Box Connection		6-5/8 REGULAR	
Bearing Load On Bottom	Dynamic	162510 lbf	72290 daN
	Static	573485 lbf	255100 daN
Bearing Load Off Bottom	Dynamic	162510 lbf	72290 daN
	Static	573485 lbf	255100 daN
Max. Overpull (for re-run)		554100 lbf	246000 daN
Absolute Overpull		923500 lbf	411000 daN
Adjustable Makeup Torque		40000 ft-lbs	54233 Nm
A = Bit to Stabilizer (centre)		19.26 in	489 mm
B = Bit to Bend	Adjustable	87 in	2210 mm
	Fixed	72.3 in	1836 mm
C = Overall (with Dump Sub)		312.7 in	7943 mm
Weight		3484 lbs	1580.3 kg

Lobe Configuration	7-8 Lobe 3.0 Stage HR	
Displacement (NO LOAD)	0.16 rev/gal	0.04 rev/l
Max. Differential @ FULL LOAD	491 psi	3,385 kPa
Max. Torque	7,928 ft-lbs	10,749 Nm
Max. Power	181 HP	135 kW

Flow Rate		Speed
GPM	LPM	RPM
300	1,136	21 - 48
600	2,271	71 - 97
900	3,407	120 - 146



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

ADJUSTABLE BUILD RATE: 8 in (203 mm) 7-8 Lobe 3.0 Stage HR SERIES 1

Hole Size	SLICK			STABILIZED		
	9-7/8 (251 mm)	10-5/8 (270 mm)	12-1/4 (311 mm)	9-7/8 (251 mm)	10-5/8 (270 mm)	12-1/4 (311 mm)
BEND ANGLE	Degrees per 100 Feet (30 m)			Degrees per 100 Feet (30 m)		
0.39	-	-	-	1.44	1.96	3.07
0.78	2.44	0.92	-	3.86	4.07	5.18
1.15	5.04	3.51	0.21	7.06	6.55	7.19
1.50	7.49	5.97	2.67	10.09	9.58	9.08
1.83	9.81	8.29	4.98	12.95	12.44	11.32
2.12	11.85	10.32	7.02	15.46	14.95	13.83
2.38	13.67	12.15	8.84	17.71	17.2	16.08
2.60	15.21	13.69	10.39	19.62	19.1	17.98
2.77	16.41	14.88	11.58	21.09	20.57	19.46
2.90	17.32	15.79	12.49	22.21	21.7	20.58
2.97	17.81	16.28	12.98	22.82	22.3	21.19
3.00	18.02	16.49	13.19	23.08	22.56	21.45

FBH BUILD RATE: 8 in (203 mm) 7-8 Lobe 3.0 Stage HR SERIES 1

Hole Size	SLICK			STABILIZED		
	9-7/8 (251 mm)	10-5/8 (270 mm)	12-1/4 (311 mm)	9-7/8 (251 mm)	10-5/8 (270 mm)	12-1/4 (311 mm)
BEND ANGLE	Degrees per 100 Feet (30 m)			Degrees per 100 Feet (30 m)		
1.25	5.21	3.42	-	7.51	7.05	8.17
1.50	6.96	5.17	1.3	9.59	9.07	9.61
1.75	8.72	6.93	3.05	11.66	11.15	11.05
2.00	10.47	8.68	4.81	13.74	13.22	12.49

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.