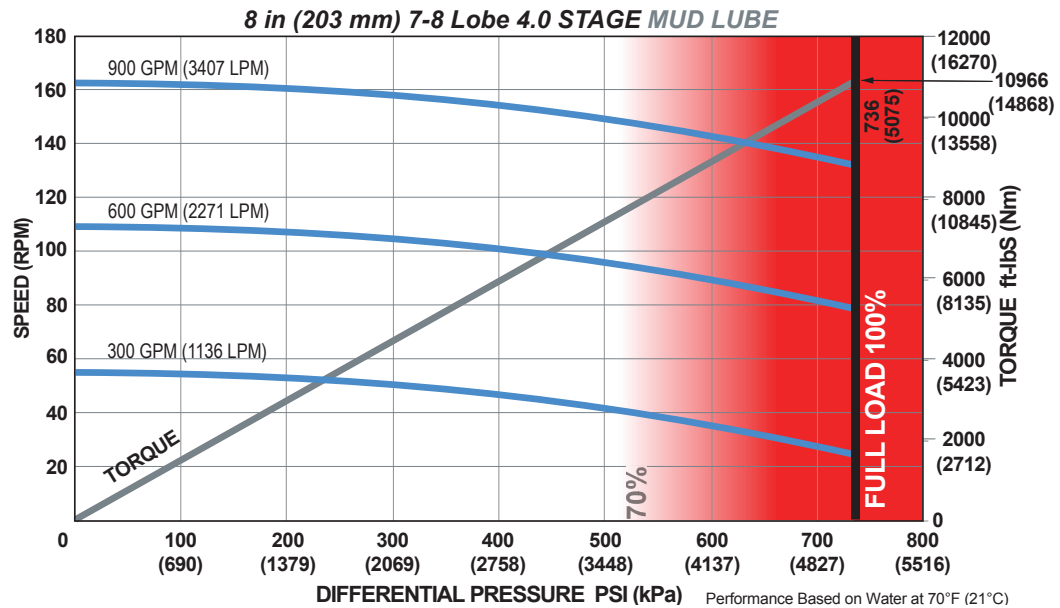


Bit Size Range		9-7/8 - 12-1/4 in	251 - 311 mm
Bit Box Connection		6-5/8 REGULAR	
Bearing Load On Bottom	Dynamic	145951 lbf	64920 daN
	Static	534312 lbf	237670 daN
Bearing Load Off Bottom	Dynamic	145951 lbf	64920 daN
	Static	534312 lbf	237670 daN
Max. Overpull (for re-run)		542500 lbf	241000 daN
Absolute Overpull		904100 lbf	402000 daN
Adjustable Makeup Torque		40000 ft-lbs	54233 Nm
A = Bit to Stabilizer (centre)		23.5 in	597 mm
B = Bit to Bend	Adjustable	74.9 in	1902 mm
	Fixed	60 in	1524 mm
C = Overall (with Dump Sub)		346.2 in	8793 mm
Weight		2913.2 lbs	1321.4 kg

Lobe Configuration	7-8 Lobe 4.0 Stage	
Displacement (NO LOAD)	0.18 rev/gal	0.05 rev/l
Max. Differential @ FULL LOAD	600 psi	4,137 kPa
Max. Torque	9,470 ft-lbs	12,840 Nm
Max. Power	231 HP	172 kW

Flow Rate		Speed
GPM	LPM	RPM
300	1,136	48 - 64
600	2,271	88 - 104
900	3,407	128 - 144



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 4.0 Stage MUD LUBE

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	-	-	-	1.72	2.15	3.07
0.78	1.83	0.25	-	3.90	4.24	5.16
1.15	4.18	2.61	-	6.63	6.22	7.14
1.50	6.41	4.84	1.43	9.22	8.80	9.02
1.83	8.51	6.94	3.53	11.66	11.24	10.79
2.12	10.35	8.78	5.37	13.80	13.38	12.46
2.38	12.01	10.43	7.02	15.72	15.30	14.38
2.60	13.41	11.83	8.42	17.35	16.93	16.01
2.77	14.49	12.91	9.50	18.61	18.18	17.26
2.90	15.31	13.74	10.33	19.57	19.14	18.22
2.97	15.76	14.19	10.78	20.08	19.66	18.74
3.00	15.95	14.38	10.97	20.30	19.88	18.96

FBH BUILD RATE: 8 in (203 mm) 7-8 Lobe 4.0 Stage MUD LUBE

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	4.17	2.27	-	6.99	7.13	8.05
1.50	5.76	3.86	-	8.76	8.54	9.46
1.75	7.35	5.45	1.34	10.54	10.11	10.87
2.00	8.94	7.04	2.93	12.31	11.89	12.29
2.25	10.53	8.63	4.52	14.08	13.66	13.70
2.50	12.12	10.22	6.11	15.86	15.43	15.11

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.