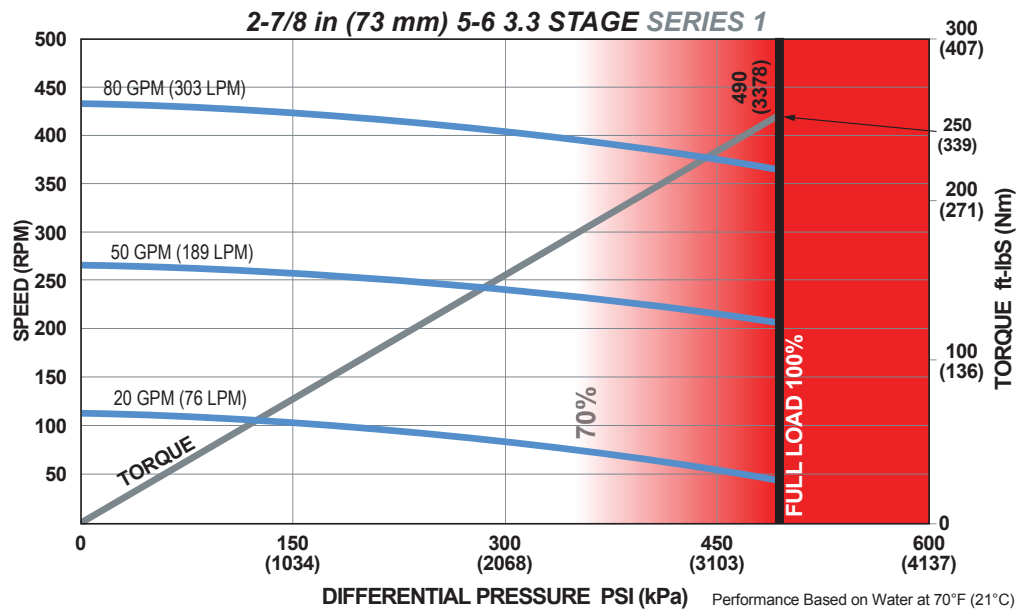




Bit Size Range		3-7/8 - 4-1/2 in	98 - 114 mm
Bit Box Connection		2-3/8 REGULAR	
Bearing Load On Bottom	Dynamic	28230 lbf	12560 daN
	Static	83280 lbf	37040 daN
Bearing Load Off Bottom	Dynamic	28230 lbf	12560 daN
	Static	83280 lbf	37040 daN
Max. Overpull (for re-run)		49100 lbf	22000 daN
Absolute Overpull		81800 lbf	36000 daN
Adjustable Makeup Torque		2500 ft-lbs	3390 Nm
B = Bit to Bend	Adjustable	42.9 in	1090 mm
	Fixed	34 in	864 mm
C = Overall (Rotor Catch/Float Sub)		142.3 in	3614 mm
Weight		201 lbs	91.2 kg

Lobe Configuration	5-6 Lobe 3.3 Stage	
Displacement (NO LOAD)	5.42 rev/gal	1.43 rev/l
Max. Differential @ FULL LOAD	490 psi	3,378 kPa
Max. Torque	250 ft-lbs	339 Nm
Max. Power	18 HP	13 kW

Flow Rate		Speed
GPM	LPM	RPM
20	76	45 - 108
50	189	208 - 271
80	303	370 - 433



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

ADJUSTABLE BUILD RATE: 3-1/8 in (79 mm) Bottom w/ 2-7/8 in (73 mm) 5-6 Lobe 3.3 Stage SERIES 1

Hole Size	SLICK			STABILIZED		
	3-7/8 (98 mm)	4-1/8 (105 mm)	4-1/2 (114 mm)	3-7/8 (98 mm)	4-1/8 (105 mm)	4-1/2 (114 mm)
BEND ANGLE	Degrees per 100 Feet (30 m)			Degrees per 100 Feet (30 m)		
0.39	1.45	-	-	-	-	-
0.78	7.49	5.18	1.70	-	-	-
1.15	13.22	10.90	7.43	-	-	-
1.50	18.63	16.32	12.85	-	-	-
1.83	23.74	21.42	17.95	-	-	-
2.12	28.22	25.91	22.44	-	-	-
2.38	32.25	29.93	26.46	-	-	-
2.60	35.65	33.33	29.86	-	-	-
2.77	38.28	35.96	32.49	-	-	-
2.90	40.29	37.97	34.50	-	-	-
2.97	41.37	39.05	35.58	-	-	-
3.00	41.83	39.52	36.05	-	-	-

FBH BUILD RATE: 3-1/8 in (79 mm) Bottom w/ 2-7/8 in (73 mm) 5-6 Lobe 3.3 Stage SERIES 1

Hole Size	SLICK			STABILIZED		
	3-7/8 (98 mm)	4-1/8 (105 mm)	4-1/2 (114 mm)	3-7/8 (98 mm)	4-1/8 (105 mm)	4-1/2 (114 mm)
BEND ANGLE	Degrees per 100 Feet (30 m)			Degrees per 100 Feet (30 m)		
1.25	13.72	10.88	6.61	-	-	-
1.50	17.59	14.74	10.48	-	-	-
1.75	21.46	18.61	14.35	-	-	-
2.00	25.32	22.48	18.22	-	-	-

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.