

7-3/4" / 8"**7:8 Lobe****4 Stage****Motor Specifications**

Flow Rate	300 - 900 gpm	1,136 - 3,407 lpm
Rev. Per Gallon	0.16	
Bit Speed	48 - 143 rpm	
Maximum Power	236 hp	341.6 kW
Maximum Torque	16,400 lb-ft	11,524 N-m
Maximum Torque at Full Load	32,800 lb-ft	8,542 N-m
Diff. Pressure at Max. Torque	1,000 psi	5,516 kPa
Diff. Pressure at Full Load	1,000 psi	4,137 kPa
Maximum Bit Pressure Drop	1,500 psi	10,342 kPa
Maximum Weight on Bit	80,000 lbs	356 kN
Maximum Pull to Re-Run Motor	275,000 lbs	1,223 kN
Pull to Yield Motor	750,000 lbs	3,336 kN
Bit to Bend	86 in	2,184 mm
Length	21.8 ft	6.64 m
Weight	2,700 lbs	1,225 Kg
Top Connection (Box)	6-5/8 Reg	
Bit Connection (Box)	6-5/8 Reg	

Predicted ABH Build Rate – Degrees / 100 ft (30m)

Bend Angle	Slick Assembly Hole Size			Single Stabilizer Hole Size		
	9-7/8"	10-5/8"	12-1/4"	9-7/8"	10-5/8"	12-1/4"
Deg						
0.31	0.00	0.00	0.00	3.48	4.19	5.83
0.62	0.00	0.00	0.00	5.64	6.40	8.02
0.93	1.33	0.00	0.00	7.85	8.60	10.21
1.22	3.81	1.55	0.00	9.91	10.66	12.26
1.50	6.20	3.94	0.00	11.91	12.65	14.24
1.76	8.43	6.16	1.43	13.76	14.50	16.08
2.00	10.48	8.21	3.46	15.47	16.20	17.77
2.23	12.45	10.17	5.41	17.11	17.84	19.40
2.42	14.07	11.79	7.03	18.46	19.19	20.74
2.60	15.61	13.32	8.55	19.75	20.47	22.01
2.74	16.81	14.52	9.74	20.74	21.46	23.00
2.85	17.75	15.46	10.67	21.53	22.24	23.78
2.93	18.43	16.14	11.35	22.10	22.81	24.34
2.98	18.86	16.57	11.78	22.45	23.17	24.70
3.00	19.03	16.74	11.95	22.60	23.31	24.84

TORQUE (FT-LBS)

