

**7-3/4" / 8"****4:5 Lobe****3.6 Stage****Motor Specifications**

<b>Flow Rate</b>	300 - 900 gpm	1,136 - 3,407 lpm
<b>Rev. Per Gallon</b>	0.25	
<b>Bit Speed</b>	100 - 225 rpm	
<b>Maximum Power</b>	253 hp	341.6 kW
<b>Maximum Torque</b>	16,204 lb-ft	11,524 N-m
<b>Maximum Torque at Full Load</b>	6,612 lb-ft	8,542 N-m
<b>Diff. Pressure at Max. Torque</b>	1,828 psi	5,516 kPa
<b>Diff. Pressure at Full Load</b>	746 psi	4,137 kPa
<b>Maximum Bit Pressure Drop</b>	1,500 psi	10,342 kPa
<b>Maximum Weight on Bit</b>	80,000 lbs	356 kN
<b>Maximum Pull to Re-Run Motor</b>	275,000 lbs	1,223 kN
<b>Pull to Yield Motor</b>	750,000 lbs	3,336 kN
<b>Bit to Bend</b>	86 in	2,184 mm
<b>Length</b>	21.8 ft	6.64 m
<b>Weight</b>	2,700 lbs	1,225 Kg
<b>Top Connection (Box)</b>	6-5/8 Reg	
<b>Bit Connection (Box)</b>	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

