

4-3/4"**5:6 Lobe****6 Stage****Motor Specifications**

Flow Rate	100 - 275 gpm	379 - 1,041 lpm
Rev. Per Gallon		0.82
Bit Speed	106 - 291 rpm	
Maximum Power	156 hp	116.3 kW
Maximum Torque	4,220 lb-ft	5,722 N-m
Maximum Torque at Full Load	3,100 lb-ft	4,203 N-m
Diff. Pressure at Max. Torque	1,200 psi	8,274 kPa
Diff. Pressure at Full Load	900 psi	6,205 kPa
Maximum Bit Pressure Drop	1,500 psi	10,300 kPa
Maximum Weight on Bit	25,000 lbs	111 kN
Maximum Pull to Re-Run Motor	100,000 lbs	445 kN
Pull to Yield Motor	300,000 lbs	1,334 kN
Bit to Bend	46 in	1,168 mm
Length	28.1 ft	8.56 m
Weight	1,470 lbs	667 Kg
Top Connection (Box)	3-1/2 Reg / 3-1/2 IF	
Bit Connection (Box)	3-1/2 Reg	

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

Bend Angle	Slick Assembly Hole Size			Single Stabilizer Hole Size		
	6"	6-1/8"	6-3/4"	6"	6-1/8"	6-3/4"
0.31	0.00	0.00	0.00	2.48	2.63	3.40
0.62	0.00	0.00	0.00	5.08	8.23	5.99
0.93	1.97	1.31	0.00	7.68	7.83	8.59
1.22	4.72	4.06	0.78	10.12	10.27	11.02
1.50	7.38	6.71	3.43	12.47	12.62	13.36
1.76	9.85	9.18	5.89	14.65	14.80	15.54
2.00	12.12	11.45	8.16	13.66	16.81	17.55
2.23	14.30	13.63	10.33	18.59	18.74	19.47
2.42	16.10	15.43	12.13	20.19	20.34	21.06
2.60	17.81	17.14	13.83	21.70	21.85	22.57
2.74	19.14	18.47	15.15	22.88	23.02	23.74
2.85	20.18	19.51	16.19	23.80	23.94	24.66
2.93	20.94	20.27	16.95	24.47	24.62	25.33
2.98	21.42	20.74	17.42	24.89	25.04	25.75
3.00	21.61	20.93	17.61	25.06	25.20	25.92

