

6-1/2"**9:10 Lobe****4 Stage****Motor Specifications**

Flow Rate	200 - 500 gpm	757 - 1,893 lpm
Rev. Per Gallon	0.35	
Bit Speed	70 - 175 rpm	
Maximum Power	146 hp	351 kW
Maximum Torque	17,212 lb-ft	14,914 N-m
Maximum Torque at Full Load	4,750 lb-ft	12,202 N-m
Diff. Pressure at Max. Torque	1,625 psi	5,516 kPa
Diff. Pressure at Full Load	650 psi	4,137 kPa
Maximum Bit Pressure Drop	1,500 psi	10,300 kPa
Maximum Weight on Bit	50,000 lbs	222 kN
Maximum Pull to Re-Run Motor	200,000 lbs	890 kN
Pull to Yield Motor	600,000 lbs	2,669 kN
Bit to Bend	76 in	1,930 mm
Length	21.1 ft	6.43 m
Weight	1,750 lbs	794 Kg
Top Connection (Box)	4-1/2 Reg / 4-1/2 IF / 4-1/2 XH	
Bit Connection (Box)	4-1/2 Reg	

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

Bend Angle	Slick Assembly Hole Size			Single Stabilizer Hole Size		
	7-7/8"	8-1/2"	8-3/4"	7-7/8"	8-1/2"	8-3/4"
Deg	0.00	0.00	0.00	2.74	3.43	3.70
0.31	0.00	0.00	0.00	2.74	3.43	3.70
0.62	0.24	0.00	0.00	5.11	5.79	6.06
0.93	3.01	0.68	0.00	7.48	8.15	8.42
1.22	5.59	3.26	2.34	6.69	10.36	10.63
1.50	8.09	5.75	4.83	11.83	12.50	12.76
1.76	10.41	8.06	7.14	13.82	14.48	14.74
2.00	12.55	10.20	9.27	15.65	16.31	16.57
2.23	14.60	12.24	11.31	17.41	18.06	18.32
2.42	16.29	13.93	13.00	18.86	19.51	19.77
2.60	17.90	15.53	14.60	20.23	20.88	21.14
2.74	19.15	16.78	15.85	21.30	21.95	22.20
2.85	20.13	17.76	16.83	22.14	22.79	23.04
2.93	20.84	18.47	17.54	22.76	23.40	23.65
2.98	21.29	18.91	17.98	23.14	23.78	24.03
3.00	21.46	19.09	18.16	23.29	23.93	24.18

TORQUE (FT-LBS)

