

3-3/4"**9:10 Lobe****4 Stage****Motor Specifications**

Flow Rate	60 - 140 gpm	227 - 530 lpm
Rev. Per Gallon		1.61
Bit Speed	96-225 rpm	
Maximum Power	51 hp	38 kW
Maximum Torque	1,550 lb-ft	2,100 N-m
Maximum Torque at Full Load	1,200 lb-ft	1,627 N-m
Diff. Pressure at Max. Torque	800 psi	5,520 kPa
Diff. Pressure at Full Load	600 psi	4,140 kPa
Maximum Bit Pressure Drop	1,500 psi	10,300 kPa
Maximum Weight on Bit	12,000 lbs	53 kN
Maximum Pull to Re-Run Motor	70,000 lbs	266 kN
Pull to Yield Motor	200,000 lbs	890 kN
Bit to Bend	46 in	1,168 mm
Length	12.4 ft	3.79 m
Weight	380 lbs	172 Kg
Top Connection (Box)	2-7/8 Reg	
Bit Connection (Box)	2-7/8 Reg	

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

Bend Angle	Slick Assembly Hole Size			Single Stabilizer Hole Size		
	4-3/4"	5-1/2"	5-7/8"	4-3/4"	5-1/2"	5-7/8"
0.31	0.0	0.0	0.0	4.29	6.88	8.17
0.62	0.42	0.0	0.0	8.15	10.72	12.00
0.93	5.25	0.00	0.00	12.01	14.57	15.83
1.22	9.76	3.07	0.00	15.63	18.16	19.42
1.50	14.12	7.41	4.16	19.11	21.63	22.88
1.76	18.16	11.44	8.18	22.35	24.85	26.09
2.00	21.90	15.16	11.89	25.34	27.83	29.06
2.23	25.48	18.72	15.44	28.21	30.68	31.91
2.42	28.44	21.66	18.38	30.57	33.04	34.26
2.60	31.24	24.45	21.16	32.82	35.27	36.48
2.74	33.42	26.62	23.32	34.56	37.01	38.22
2.85	35.13	28.33	25.02	35.93	38.37	39.58
2.93	36.38	29.57	26.26	36.93	39.36	40.57
2.98	37.46	30.34	27.03	37.55	39.98	41.19
3.00	37.46	30.65	27.34	37.80	40.23	41.43

