

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

Flow Rate	100 - 250 gpm	379 - 946 lpm
Rev. Per Gallon	0.56	
Bit Speed	56 - 140 rpm	
Maximum Power	72 hp	76.8 kW
Maximum Torque	3,600 lb-ft	6,711 N-m
Maximum Torque at Full Load	3,000 lb-ft	5,220 N-m
Diff. Pressure at Max. Torque	1,320 psi	6,205 kPa
Diff. Pressure at Full Load	700 psi	10,300 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	20.5 ft	6.25 m
Weight	1,100 lbs	499 Kg
Top Connection (Box)	3-1/2 Reg / 3-1/2 Reg	
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	4.20	4.31	4.86
0.62	0.00	0.00	0.00	4.89	5.28	7.22
0.93	1.67	1.11	0.00	8.60	8.99	10.92
1.22	3.07	2.03	0.00	12.32	12.70	14.62
1.50	7.37	6.32	1.20	15.79	16.18	18.08
1.76	11.51	10.46	5.33	19.15	19.53	21.42
2.00	15.36	14.31	9.16	22.27	22.65	24.52
2.23	18.91	17.86	12.70	25.15	25.52	27.39
2.42	22.32	21.26	16.09	27.90	28.28	30.13
2.60	25.13	24.07	18.89	30.18	30.55	32.40
2.74	27.79	26.73	21.54	32.34	32.71	34.55
2.85	29.87	28.81	23.60	34.02	34.39	36.22
2.93	31.50	30.43	25.23	35.34	35.71	37.54
2.98	32.68	31.62	26.41	36.30	36.67	38.49
3.00	33.42	32.36	27.14	36.90	37.26	39.09

