

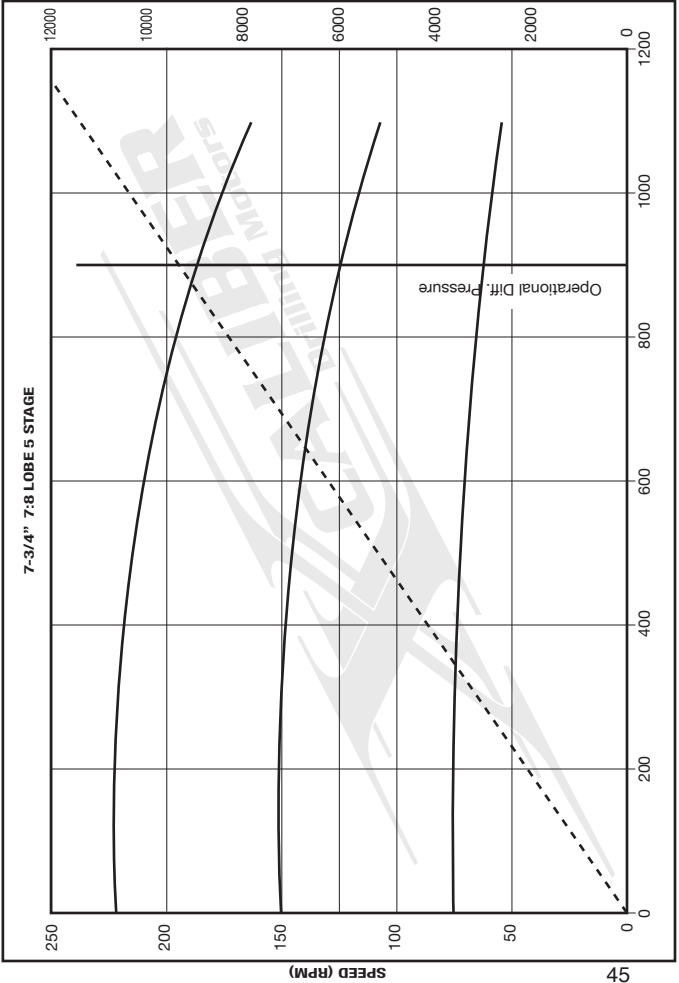
7-3/4" / 8"**7:8 Lobe****5 Stage****Motor Specifications**

Flow Rate	300 - 900 gpm	1,136 - 3,407 lpm
Rev. Per Gallon	0.25	
Bit Speed	75 - 225 rpm	
Maximum Power	407 hp	303.5 kW
Maximum Torque	12,500 lb-ft	16,948 N-m
Maximum Torque at Full Load	9,500 lb-ft	12,880 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	10,342 kPa
Maximum Weight on Bit	80,000 lbs	356 kN
Maximum Pull to Re-Run Motor	275,000 lbs	1,223 kN
Pull to Yield Motor	750,000 lbs	3,336 kN
Bit to Bend	86.9 in	2,184 mm
Length	28.9 ft	8.81 m
Weight	3,350 lbs	1,520 Kg
Top Connection (Box)	6-5/8 Reg	
Bit Connection (Box)	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	0.00	0.00	0.00	2.00	2.38	3.20
0.31	0.00	0.00	0.00	3.56	3.94	4.76
0.62	0.20	0.00	0.00	5.12	5.50	6.32
0.93	2.50	0.90	0.00	6.59	6.97	7.79
1.22	4.70	3.10	0.30	8.00	8.38	9.20
1.50	6.70	5.20	1.80	9.31	9.69	10.51
1.76	8.70	7.10	3.70	10.52	10.90	11.72
2.00	10.40	8.90	5.50	11.68	12.06	12.88
2.23	12.20	10.60	7.20	12.64	13.02	13.84
2.42	13.60	12.00	8.60	13.55	13.93	14.75
2.60	14.90	13.30	10.00	14.26	14.63	15.45
2.74	15.90	14.40	11.00	14.81	15.19	16.01
2.85	16.80	15.20	11.80	15.22	15.59	16.41
2.93	17.40	15.80	12.40	15.47	15.85	16.67
2.98	17.70	16.20	12.80	15.57	15.95	16.77
3.00	17.90	16.30	12.90			

TORQUE (FT-LBS)



DIFFERENTIAL PRESSURE (PSI)

SPEED (RPM)

45