

**6-1/2"****7:8 Lobe****3 Stage****Motor Specifications**

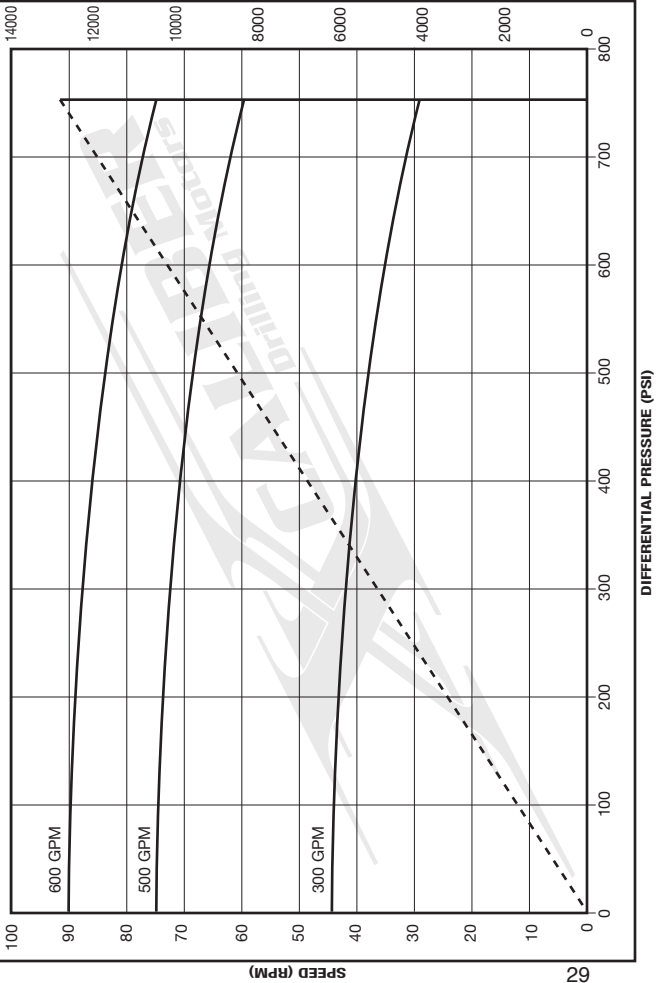
<b>Flow Rate</b>	300 - 600 gpm	1,136 - 2,271 lpm
<b>Rev. Per Gallon</b>	0.15	
<b>Bit Speed</b>	45 - 90 rpm	
<b>Maximum Power</b>	118 hp	141 kW
<b>Maximum Torque</b>	25,560 lb-ft	6,657 N-m
<b>Maximum Torque at Full Load</b>	12,780 lb-ft	4,895 N-m
<b>Diff. Pressure at Max. Torque</b>	1,500 psi	5,520 kPa
<b>Diff. Pressure at Full Load</b>	750 psi	4,140 kPa
<b>Maximum Bit Pressure Drop</b>	1,500 psi	10,300 kPa
<b>Maximum Weight on Bit</b>	50,000 lbs	222 kN
<b>Maximum Pull to Re-Run Motor</b>	200,000 lbs	890 kN
<b>Pull to Yield Motor</b>	600,000 lbs	2,669 kN
<b>Bit to Bend</b>	76 in	1,930 mm
<b>Length</b>	21.1 ft	6.43 m
<b>Weight</b>	1,750 lbs	794 Kg
<b>Top Connection (Box)</b>	4-1/2 Reg / 4-1/2 IF / 4-1/2 XH	
<b>Bit Connection (Box)</b>	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"
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)

6-1/2" 7:8 LOBE 3 STAGE



DIFFERENTIAL PRESSURE (PSI)

SPEED (RPM)