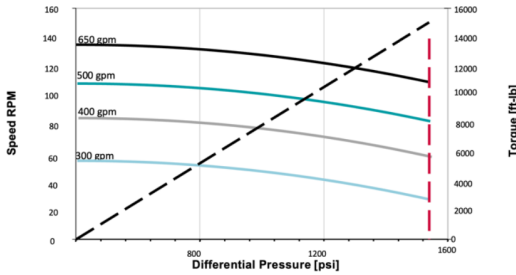
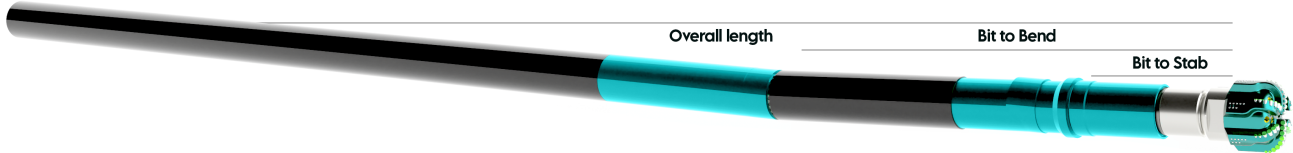


# NEWSCO Motor

## 7" 7/8 Lobes 5.0 Stage



<b>Torque Slope</b>	9.14 ft-lb/psi	
<b>REV / Gal</b>	0.266 rev/gal	0.070 rev/lpm
<b>RPM</b>	80-159 rpm	
<b>Flow range</b>	300-600 gpm	1136-2271 lpm
<b>Max Differential</b>	1170 psi	8067 kPa
<b>Max Torque</b>	10690 ft. lbs	14494 N-m
<b>Stall Differential</b>	1840 psi	12686 kPa
<b>Stall Torque</b>	16820 lb-ft	22805 N-m
<b>Max Weight on Bit</b>	18000 lbs	80 kN
<b>Weight</b>	3100 pounds	1406 kilos



### Motor Lengths

Bit to Stab	Bit to Bend	Overall Length	Slick OD	Wear Pad OD
28.00 in	56.00 in	306.00 in	7.00 in	7.50 in
<b>Top Connection</b>	As Requested	<b>Bottom Connection</b>	4 1/2" Reg	

### Predicted Build Rates - Degrees/100 ft (30 m)

Deg. Bend	Slick			Single Stabilizer			Double Stabilizer		
	8 1/2	8 3/4	9 7/8	8 1/2	8 3/4	9 7/8	8 1/2	8 3/4	9 7/8
1.50	8.22	7.89	5.59	9.15	9.24	9.52	8.35	8.43	8.68
1.76	9.83	9.44	6.69	10.79	10.90	11.22	9.99	10.09	10.39
2.00	11.32	10.87	7.70	12.31	12.43	12.80	11.50	11.62	11.96
2.15	12.17	11.68	8.28	13.23	13.36	13.76	12.37	12.49	12.86
2.25	12.75	12.24	8.67	13.76	13.90	14.31	12.96	13.09	13.48
2.38	13.93	13.37	9.47	14.96	15.11	15.56	14.16	14.30	14.72
2.50	14.44	13.86	9.82	15.46	15.61	16.07	14.68	14.83	15.27
2.74	15.91	15.28	10.82	16.98	17.15	17.66	16.18	16.34	16.83
3.00	17.53	16.83	11.92	18.63	18.81	19.32	17.82	18.00	18.54

### Maximum Suggested RPM for Straight Sections of Well bore

Motor Size	Bit size	0.00	0.38	0.75	1.15	1.50	1.75	1.83	2.00	2.15	2.25	2.38
7"	9 7/8	100	100	100	80	80	60	60	60	40	40	20
7"	8 3/4	100	100	100	80	80	50	50	50	30	20	20
7"	8 1/2	100	100	80	60	50	40	40	30	30	20	20

### Maximum Suggested RPM for Build Sections of Well bore

Motor Size	Bit size	0.00	0.38	0.75	1.15	1.50	1.75	1.83	2.00	2.15	2.25	2.38
7"	9 7/8	80	80	60	60	50	50	50	40	40	30	30
7"	8 3/4	80	80	50	50	40	40	40	30	30	30	20
7"	8 1/2	80	60	50	40	40	40	40	30	20	20	20

\* The charts above display the maximum theoretical allowable rotation for optimal hole conditions. The RPM limits above are for optimal hole conditions and normal drilling conditions and parameters. These should be reduced further when operating with high vibration, high rotary torque, poor hole quality, high WOB, stick slip, hard stall events and other abnormal conditions.



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