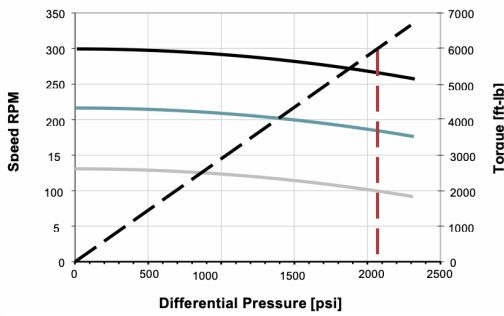
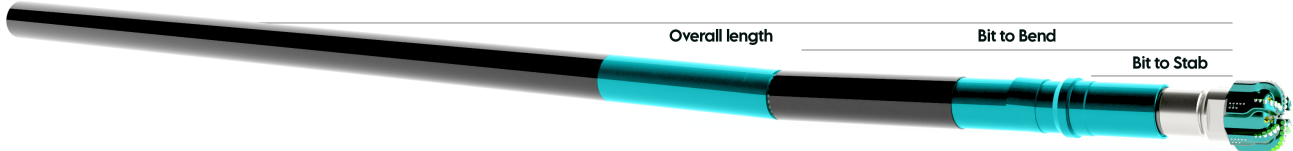


# NEWSCO Motor

## 5" 6/7 Lobes 9.0 Stage



<b>Torque Slope</b>	3.97 ft-lb/psi	
<b>REV / Gal</b>	0.620 rev/gal	0.164 rev/lpm
<b>RPM</b>	90-190 rpm	
<b>Flow range</b>	150-298 gpm	568-1128 lpm
<b>Max Differential</b>	1180 psi	8136 kPa
<b>Max Torque</b>	4670 ft. lbs	6332 N-m
<b>Stall Differential</b>	1860 psi	12824 kPa
<b>Stall Torque</b>	7350 lb-ft	9965 N-m
<b>Max Weight on Bit</b>	55000 lbs	244 kN
<b>Weight</b>	1400 pounds	635 kilos



### Motor Lengths

Bit to Stab	Bit to Bend	Overall Length	Slick OD	Wear Pad OD
26.00 in	45.00 in	299.00 in	5.00 in	5.50 in
<b>Top Connection</b>	As Requested	<b>Bottom Connection</b>	3 1/2" Reg	

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

Deg. Bend	Slick			Single Stabilizer			Double Stabilizer		
	6	6 3/4	6 1/8	6	6 3/4	6 1/8	6	6 3/4	6 1/8
<b>Setting</b>	8.09	6.96	7.84	9.09	9.36	9.12	8.67	8.93	8.70
<b>1.50</b>	8.09	6.96	7.84	9.09	9.36	9.12	8.67	8.93	8.70
<b>1.76</b>	9.74	8.38	9.45	10.74	11.06	10.78	10.32	10.63	10.36
<b>2.00</b>	11.26	9.69	10.92	12.26	12.63	12.31	11.84	12.20	11.89
<b>2.15</b>	11.26	9.69	10.92	12.26	12.63	12.31	11.84	12.20	11.89
<b>2.25</b>	12.72	10.94	12.34	13.72	14.13	13.78	13.30	13.70	13.35
<b>2.38</b>	13.93	11.98	13.51	14.93	15.37	14.99	14.51	14.94	14.57
<b>2.50</b>	14.47	12.44	14.04	15.43	15.89	15.49	15.02	15.47	15.08
<b>2.74</b>	15.96	13.73	15.48	16.96	17.47	17.03	16.54	17.04	16.61
<b>3.00</b>	17.61	15.15	17.08	18.61	19.17	18.68	18.19	18.74	18.26

### 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
5"	6 3/4	100	100	100	90	80	80	75	55	50	35	20
5"	6 1/2	100	100	100	80	75	75	70	50	45	35	20
5"	6 1/4	100	100	95	75	70	70	70	45	40	30	20
5"	6 1/8	90	95	90	65	65	65	65	40	30	20	20
5"	6	90	90	85	60	60	60	60	35	30		

### 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
5"	6 3/4	70	70	50	50	40	40	40	40	30	30	20
5"	6 1/2	70	70	50	50	40	40	40	40	30	30	20
5"	6 1/4	70	70	50	40	40	40	40	40	30	30	20
5"	6 1/8	70	70	50	40	40	40	30	30	30	20	20
5"	6	70	70	50	40	40	30	30	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.



**+1 (832) 924-4020**

[WWW.NEWSCO-DRILLING.COM](http://WWW.NEWSCO-DRILLING.COM)

12029 Brittmoore Park Dr, Houston, TX 77041. e-mail: [sales@newsco-drilling.com](mailto:sales@newsco-drilling.com)