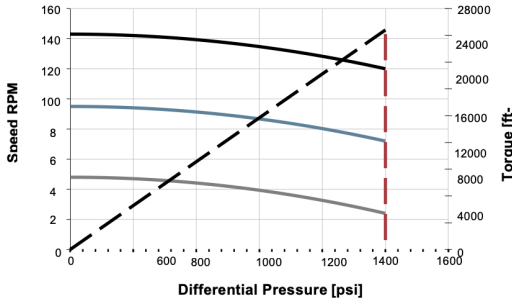
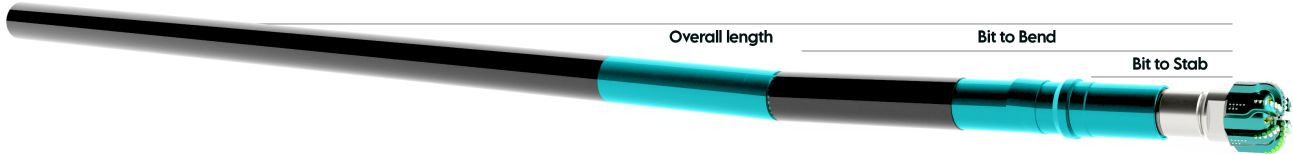


# NEWSCO Motor

## 8" 7/8 Lobes 5.9 Stage



<b>Torque Slope</b>	15.92 ft-lb/psi	
<b>REV / Gal</b>	0.153 rev/gal	0.040 rev/lpm
<b>RPM</b>	61-137 rpm	
<b>Flow range</b>	400-900 gpm	1514-3407 lpm
<b>Max Differential</b>	1390 psi	9584 kPa
<b>Max Torque</b>	22170 ft. lbs	30059 N-m
<b>Stall Differential</b>	2180 psi	15031 kPa
<b>Stall Torque</b>	34409 lb-ft	46652 N-m
<b>Max Weight on Bit</b>	142000 lbs	631 kN
<b>Weight</b>	4600 pounds	2087 kilos



### Motor Lengths

Bit to Stab	Bit to Bend	Overall Length	Slick OD	Wear Pad OD
30.00 in	68.00 in	446.00 in	8.00 in	8.50 in
<b>Top Connection</b>	As Requested	<b>Bottom Connection</b>	6 5/8" Reg	

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

Deg. Bend	Slick Hole Size			Single Stabilizer Hole Size			Double Stabilizer Hole Size			
	9 7/8	10 5/8	12 1/4	9 7/8	10 5/8	12 1/4	9 7/8	10 5/8	12 1/4	
<b>Setting</b>										
<b>1.50</b>	5.17	5.06	3.98	7.03	7.24	7.82	6.44	6.63	7.16	
<b>1.76</b>	6.43	6.30	4.95	8.27	8.52	9.20	7.68	7.91	8.54	
<b>2.00</b>	7.59	7.44	5.85	9.42	9.70	10.47	8.83	9.09	9.82	
<b>2.15</b>	8.16	8.00	6.28	10.12	10.42	11.26	9.49	9.77	10.56	
<b>2.25</b>	8.71	8.53	6.71	10.51	10.83	11.70	9.93	10.22	11.04	
<b>2.38</b>	9.63	9.44	7.41	11.42	11.76	12.71	10.83	11.16	12.05	
<b>2.50</b>	10.08	9.88	7.76	11.79	12.14	13.12	11.23	11.56	12.49	
<b>2.74</b>	11.18	10.96	8.61	12.95	13.34	14.41	12.36	12.73	13.75	
<b>3.00</b>	12.44	12.19	9.58	14.19	14.62	15.79	13.61	14.01	15.13	

### 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
<b>8"</b>	<b>12 1/4</b>	100	100	100	80	80	60	60	60	40	40	20
<b>8"</b>	<b>10 5/8</b>	100	100	100	80	80	50	50	50	40	40	20
<b>8"</b>	<b>9 7/8</b>	100	80	80	70	60	40	40	40	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
<b>8"</b>	<b>12 1/4</b>	80	80	80	60	60	60	60	40	40	40	20
<b>8"</b>	<b>10 5/8</b>	80	80	50	50	40	40	40	40	40	40	20
<b>8"</b>	<b>9 7/8</b>	80	60	50	50	40	30	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.NEWSKO-DRILLING.COM**

6623 Willowbrook Park, Houston, Texas 77066. e-mail: NEWSKO.SALES@newsco-drilling.com