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## Downhole Drilling Motor 800 - 910 - 4.0

- 8-0" OD
- 9:10 Lobe
- 4.0 Stage
- Slow Speed
- High Torque

Flow Rate	*Rev/Gal
300 GPM	0.17
600 GPM	0.19
900 GPM	0.20

Motor Specifications	English	Metric
Model Number	800 - 910 - 4	
Rotor Lobes / Stator Lobes	9 / 10	
Number of Stages	4.0	
Outer Diameter	8.0 in	203 mm
Weight	2,934 lbs	1,331 kg
Length	23.2 ft	7.07 m
Full Load Bit Speed	50 - 180 rpm	
Flow Rate	300 - 900 gpm	1,135 - 3,407 lpm
Peak Torque	14,800 ft-lbs	20,000 N-m
Peak Developed Power	383 hp	286 kw
Bit to Bend	86 in	2,179 mm
Full Load Differential Pressure	600 psi	4,140 kpa
Peak Torque Differential Pressure	800 psi	5,520 kpa
Maximum Bit Pressure Drop	1,500 psi	10,300 kpa
Maximum Weight on Bit	80,000 lbs	356 kN
Maximum Pull to-Run Motor	300,000 lbs	1,334 kN
Pull to Yield Motor	800,000 lbs	3,558 kN
Upper Box Connection	6-5/8 REG	
Lower Bit Box Connection	6-5/8 REG	

## 800 - 910 - 4 BUILD RATE TABLE( Degrees / 100ft )

ABH SET ANGLE	SLICK BEARING HOUSING				STABILIZED BEARING HOUSING			
	HOLE SIZE				HOLE SIZE			
	9-7/8"	10-5/8"	12-1/4"		9-7/8"	10-5/8"	12-1/4"	
0.31					3.08	3.90	5.66	
0.62	.51				5.14	5.95	7.70	
0.93	3.26	1.32			7.19	8.0	9.73	
1.22	5.83	3.88			9.11	9.91	11.64	
1.50	8.31	6.35	2.26		10.97	11.76	13.48	
1.76	10.61	8.65	4.54		12.69	13.48	15.18	
2.00	12.74	10.77	6.65		14.28	15.07	16.76	
2.23	14.77	12.80	8.67		15.80	16.59	18.27	
2.42	16.46	14.48	10.34		17.06	17.84	19.52	
2.60	18.05	16.07	11.92		18.25	19.03	20.70	
2.74	19.29	17.31	13.15		19.18	19.96	21.62	
2.85	20.27	18.28	14.12		19.91	20.68	22.35	
2.93	20.98	18.99	14.82		20.44	21.21	22.87	
2.98	21.42	19.43	15.26		20.77	21.54	23.20	
3.00	21.60	19.61	15.44		20.90	21.68	23.33	

