


**Drilling motors – Technical data**

Motor specifications (PH-800-910-40)		
	Imperial	Metric
Tool OD	8"	197 mm
Lobe configuration	9/10 lobe	
Number of stages	4.0 stage	
Bit to bend	91.61"	2,327 mm
Length	292"	7,417 mm
Weight	3,064 lbs	1,390 kg
Recommended bit size	10 5/8" - 14 3/4"	270 - 375 mm
Top connection (Box)	6 5/8" reg.	
Bit connection (Box)	6 5/8" reg.	
Flow rate	300 - 700 gpm	1,136 - 2,650 l/min
Rotation	0.214 Rev/Gal	0.056 Rev/Lit
Speed range	64 - 150 rpm	
Maximum diff. pressure	608 psi	41.9 bar
Maximum torque	7,105 ft-lbs	9,362 Nm
Stall diff. pressure	920 psi	63.4 bar
Stall torque	10,796 ft-lbs	14,637 Nm
Maximum power	176 hp	131 kw
HSG max allowable pull	723,595 lbs	3,220 KN
Bit max allowable pull	356,180 lbs	1,585 KN

**Predicted build radius (m)**

Bend angle	Slick bearing housing		
	Hole size		
	10 5/8"	12 1/4"	14 3/4"
0.31	1,386	2,156	
0.62	613	1,078	
0.93	409	719	
1.22	271	549	
1.50	204	331	
1.76	166	242	
2.00	142	194	442
2.23	124	163	308
2.42	113	144	247
2.60	104	130	207
2.74	98	120	184
2.85	94	114	170
2.93	91	110	160
2.98	89	107	155
3.00	88	106	153

**Speed, Power & Torque curves**
