


Drilling motors – Technical data

Motor specifications (PH-775-910-40)		
	Imperial	Metric
Tool OD	7.75"	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	584,270 lbs	2,600 KN
Bit max allowable pull	346,070 lbs	1,540 KN



Predicted build radius (m)

Bend angle	Slick bearing housing		
	Hole size		
	10 5/8"	12 1/4"	14 3/4"
0.31	1,284	2,007	
0.62	578	998	
0.93	386	667	
1.22	261	508	
1.50	198	316	
1.76	162	234	
2.00	139	189	416
2.23	122	159	295
2.42	111	141	238
2.60	102	127	201
2.74	96	118	180
2.85	92	112	166
2.93	89	108	157
2.98	88	105	152
3.00	87	104	150

Speed, Power & Torque curves

