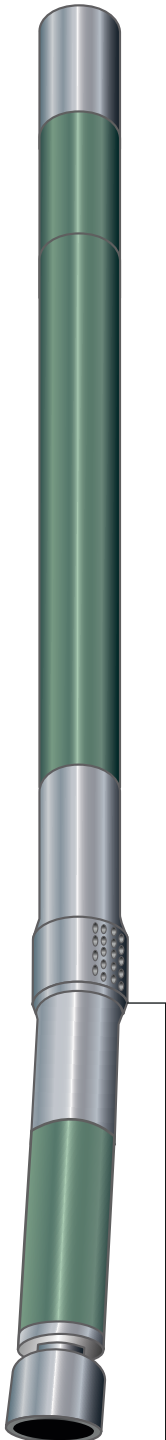


Drilling motors – Technical data


Motor specifications (PH-800-910-40)		
	Imperial	Metric
Tool OD	8"	203 mm
Recommended bit size	9 7/8" - 12 1/4"	251 - 311 mm
Weight	2,668 lbs	1,210 kg
Length	23.3 ft	710 cm
Lobe configuration	9/10 lobe	
Number of stages	4.0 stage	
Bit speed at full load	80 - 180 rpm	
Flow rate	300 - 900 gpm	1,135 - 3,407 l/min
Maximum torque	14,800 ft-lbs	20,000 Nm
Maximum power	383 hp	286 kW
Bit to bend	86"	2,179 mm
Diff. pressure at full load	600 psi	41 bar
Diff. pressure at max torque	800 psi	55 bar
Maximum bit pressure drop	1,500 psi	103 bar
Maximum WOB	80,000 lbs	36,287 kg
Maximum pull to re-run motor	275,000 lbs	124,737 kg
Pull to yield motor	750,000 lbs	340,194 kg
Top connection (Box)	6 5/8" reg.	
Bit connection (Box)	6 5/8" reg.	

Predicted build radius (m)

Bend angle	Slick bearing housing		
	Hole size		
	9 7/8"	10 5/8"	12 1/4"
0.31			
0.62			
0.93	1420		
1.22	506	1221	
1.50	312	489	
1.76	230	315	1323
2.00	185	237	556
2.23	156	191	357
2.42	138	165	276
2.60	125	146	227
2.74	116	134	199
2.85	110	126	182
2.93	106	121	171
2.98	103	117	165
3.00	102	116	163

