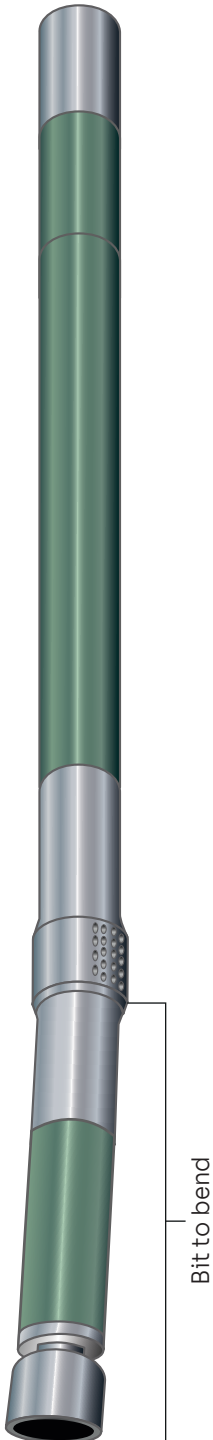


Drilling motors – Technical data


Motor specifications (PH-475-910-40)		
	Imperial	Metric
Tool OD	4.75"	172 mm
Lobe configuration	9/10 lobe	
Number of stages	4.0 stage	
Bit to bend	44.5"	1,131 mm
Length	248"	6,292 mm
Weight	1,100 lbs	500 kg
Recommended bit size	5 7/8" - 7 7/8"	149 - 200 mm
Top connection (Box)	3 1/2" IF/ 3 1/2" reg.	
Bit connection (Box)	3 1/2" reg.	
Flow rate	196 - 393 gpm	745- 1,489 l/min
Rotation	0.585 Rev/Gal	0.154 Rev/Lit
Speed range	115 - 230 rpm	
Working diff. pressure	466 psi	32 bar
Max. diff. pressure	655 psi	45 bar
Output torque	1,877 ft-lbs	2,545 Nm
Maximum torque	2,646 ft-lbs	3,588 Nm
Maximum power	104 hp	77 kw
HSG max allowable pull	258,425 lbs	1,150 KN
Bit max allowable pull	116,850 lbs	520 KN

Predicted build radius (m)

Bend angle	Slick bearing housing			
	Hole size			
	6"	6 1/8"	6 3/4"	7 7/8"
0.31				
0.62				
0.93	560	840		
1.22	230	270	1430	
1.50	150	170	320	
1.76	110	120	190	5730
2.00	90	100	140	450
2.23	80	80	110	240
2.42	70	70	90	170
2.60	60	70	80	140
2.74	60	60	70	120
2.85	60	60	70	110
2.93	60	60	70	100
2.98	50	60	70	100
3.00	50	60	70	90

Torque, Speed, Power & Efficiency curves
