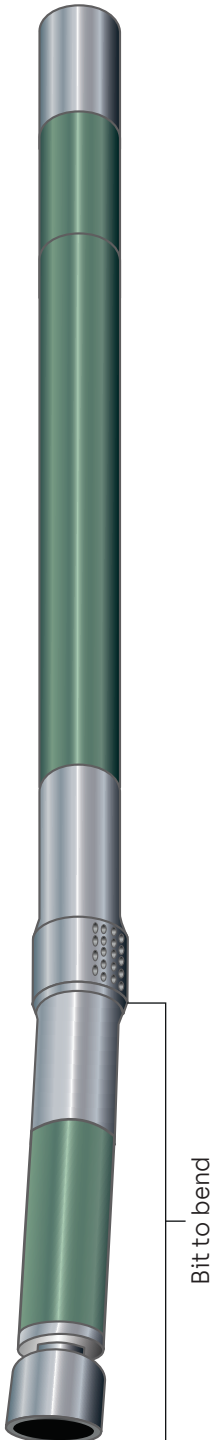


Drilling motors – Technical data


Motor specifications (PH-475-780-50)		
	Imperial	Metric
Tool OD	4.75"	120 mm
Lobe configuration	7/8 lobe	
Number of stages	5.0 stage	
Bit to bend	44.5"	1,131 mm
Length	298"	7,580 mm
Weight	1,100 lbs	500 kg
Recommended bit size	6" - 7 7/8"	152 - 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	0.66 Rev/Gal	0.175 Rev/Lit
Speed range	130 - 261 rpm	
Working diff. pressure	585 psi	40.33 bar
Max. diff. pressure	824 psi	56.81 bar
Output torque	2,274 ft-lbs	3,084 Nm
Maximum torque	3,029 ft-lbs	4,096 Nm
Maximum power	127 hp	93 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	886	1333		
1.22	370	430	2239	
1.50	237	260	509	
1.76	177	190	296	8316
2.00	144	153	214	707
2.23	122	128	169	377
2.42	108	113	144	272
2.60	98	102	126	215
2.74	91	95	115	185
2.85	87	90	108	167
2.93	83	86	103	156
2.98	82	84	100	149
3.00	81	83	99	147

Torque, Speed, Power & Efficiency curves

