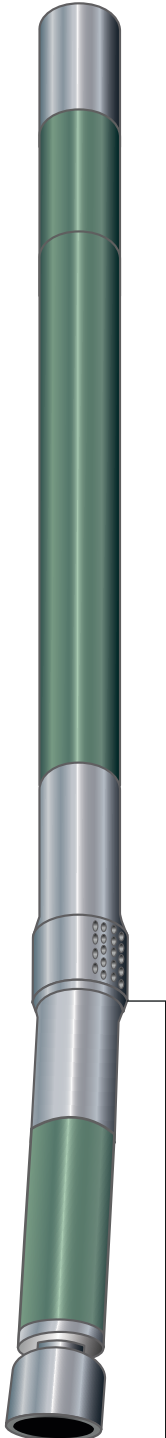


Drilling motors – Technical data


Motor specifications (PH-375-910-40)		
	Imperial	Metric
Tool OD	3 3/4"	95 mm
Lobe configuration	9/10 lobe	
Number of stages	4.0 stage	
Bit to bend	44.9"	1,141 mm
Length	186"	4,720 mm
Weight	3,300 lbs	300 kg
Recommended bit size	4 3/4" - 5 7/8"	120.65 - 149 mm
Top connection (Box)	2 7/8" reg.	
Bit connection (Box)	2 7/8" reg.	
Flow rate	94 - 188 gpm	356- 712 l/min
Rotation	1.143 Rev/Gal	0.302 Rev/Lit
Speed range	139 - 280 rpm	
Working diff. pressure	466 psi	32 bar
Max. diff. pressure	655 psi	45 bar
Output torque	1,052 ft-lbs	1,426 Nm
Maximum torque	1,320 ft-lbs	1,895 Nm
Maximum power	64 hp	48 kw
HSG max allowable pull	195,505 lbs	870 KN
Bit max allowable pull	84,900 lbs	380 KN

Predicted build radius (m)

Bend angle	Slick bearing housing			
	Hole size			
	4 3/4"	5"	5 1/2"	5 7/8"
0.35				
0.69	1140			
1.04	250	370	5930	
1.37	140	180	320	800
1.69	100	120	170	240
2.00	80	90	110	150
2.29	70	70	90	110
2.57	60	60	70	80
2.83	50	60	60	70
3.06	50	50	60	60
3.28	40	50	50	60
3.46	40	40	50	50
3.63	40	40	50	50
3.76	40	40	40	50
3.86	40	40	40	50
3.94	40	40	40	40
3.98	50	40	40	40
4.00	50	50	50	50

Torque, Speed, Power & Efficiency curves
