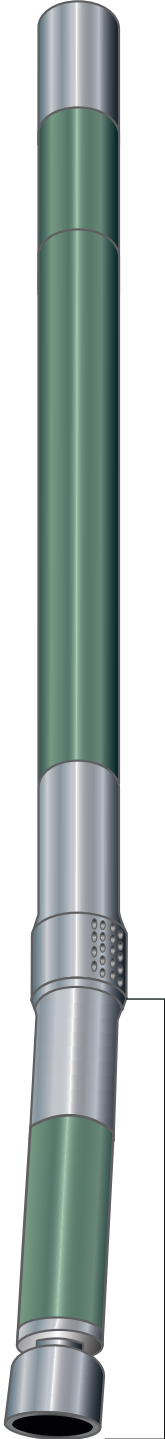


Drilling motors – Technical data


Motor specifications (PH-312-560-30)		
	Imperial	Metric
Tool OD	3.125"	79 mm
Lobe configuration	5/6 lobe	
Number of stages	3.0 stage	
Bit to bend	35"	888 mm
Length	145"	3,677 mm
Weight	211 lbs	100 kg
Recommended bit size	3 7/8" - 4 1/2"	95 - 114 mm
Top connection (Box)	2 3/8" reg.	
Bit connection (Box)	2 3/8" reg.	
Flow rate	76 - 153 gpm	162- 478 l/min
Rotation	2.82 Rev/Gal	0.67 Rev/Lit
Speed range	121 - 432 rpm	
Working diff. pressure	350 psi	24 bar
Max. diff. pressure	495 psi	33 bar
Output torque	339 ft-lbs	460 Nm
Maximum torque	479 ft-lbs	650 Nm
Maximum power	36 hp	26 kw
HSG max allowable pull	94,380 lbs	420 KN
Bit max allowable pull	65,170 lbs	290 KN

Predicted build radius (m)

Bend angle	Slick bearing housing		
	Hole size		
	3 7/8"	4 1/4"	4 1/2"
0.31			
0.62			
0.93	5720		
1.22	310		
1.50	160	370	2120
1.76	110	190	320
2.00	90	130	180
2.23	70	100	130
2.42	70	80	100
2.60	60	70	90
2.74	60	70	80
2.85	50	60	70
2.93	50	60	70
2.98	50	60	70
3.00	50	60	60

Torque, Speed, Power & Efficiency curves
