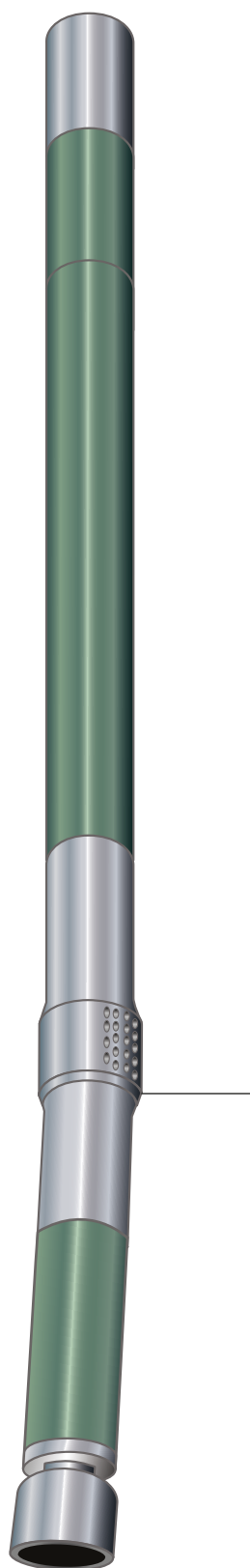




Mud Motors – 3 1/8" - 5/6 lobe 3.0 stage

Drilling motors – Technical data



Motor specifications (PH-312-560-30)		
	Imperial	Metric
Tool OD	3.125"	79 mm
Weight	238 lbs	108 kg
Length	11.3 ft	345 cm
Lobe configuration	5/6 lobe	
Number of stages	3.0 stage	
Bit speed at full load	100 - 240 rpm	
Flow rate	70 - 160 gpm	265 - 606 l/min
Maximum torque	960 ft-lbs	1,300 Nm
Maximum power	33 hp	25 kW
Bit to bend	28"	711 mm
Diff. pressure at full load	450 psi	31 bar
Diff. pressure at max torque	600 psi	41 bar
Maximum bit pressure drop	1,500 psi	103 bar
Maximum WOB	7,000 lbs	3,175 kg
Maximum pull to re-run motor	50,000 lbs	22,680 kg
Pull to yield motor	120,000 lbs	54,431 kg
Top connection (Box)	2 3/8" reg.	
Bit connection (Box)	2 3/8" reg.	

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

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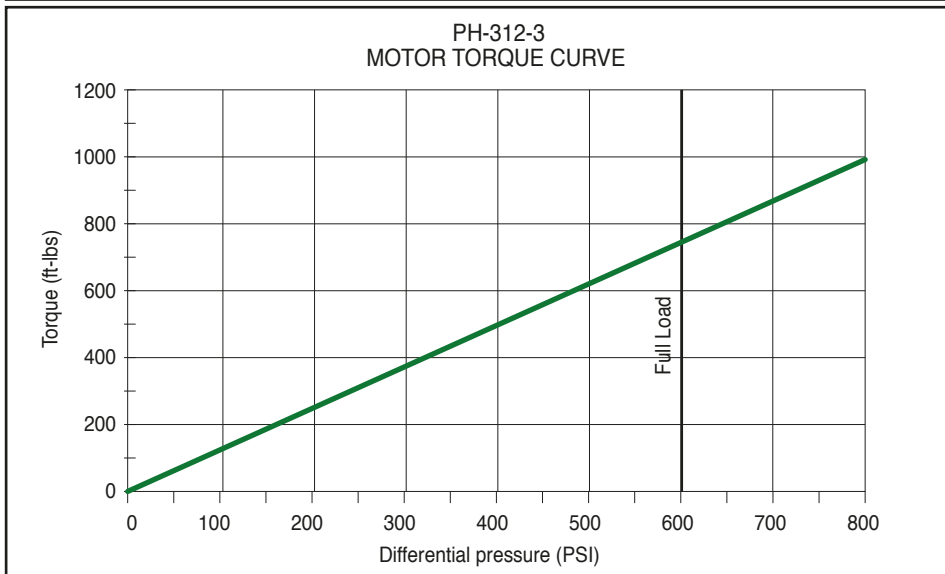
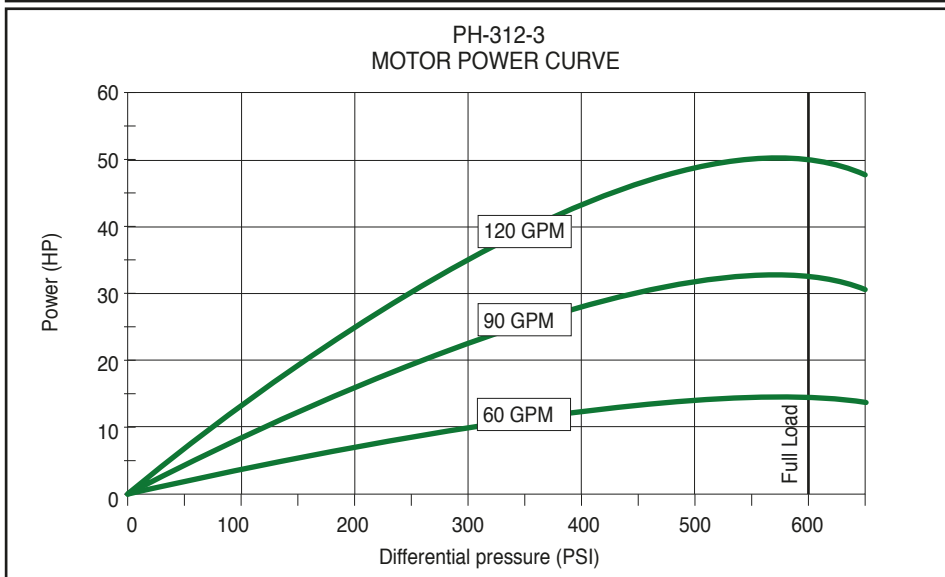
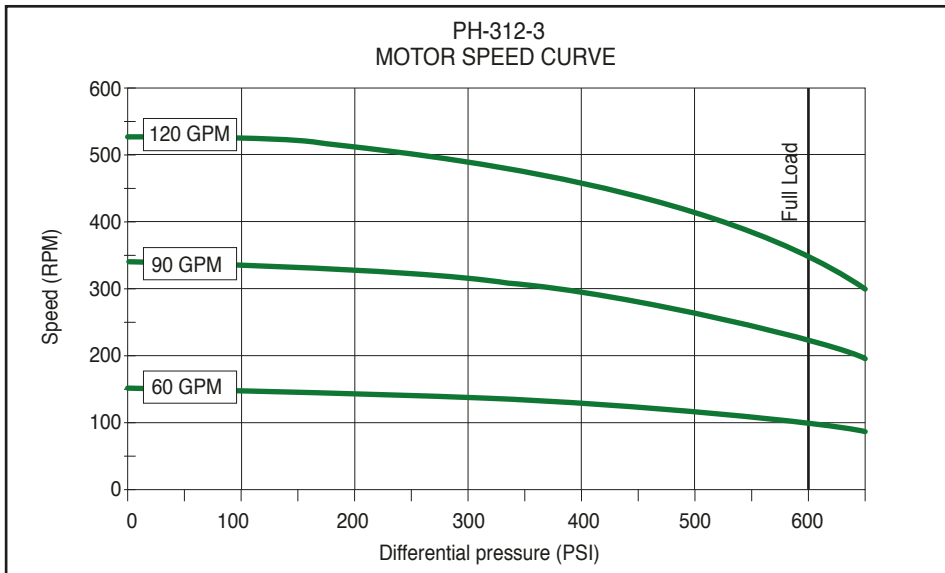
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