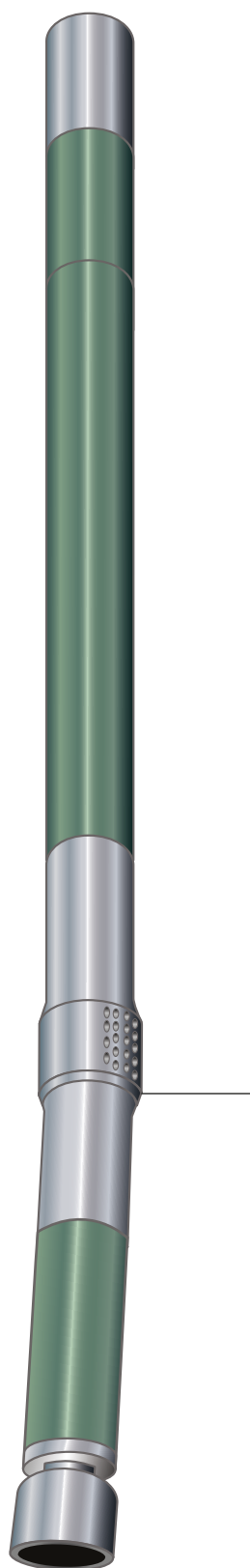




# Mud Motors – 3 3/4" - 9/10 lobe 3.0 stage

Drilling motors – Technical data



Motor specifications (PH-375-910-30)		
	Imperial	Metric
Tool OD	3.75"	95 mm
Recommended bit size	4 3/4" - 5 7/8"	121 - 149 mm
Weight	264 lbs	120 kg
Length	10.5 ft	320 cm
Lobe configuration	9/10 lobe	
Number of stages	3.0 stage	
Bit speed at full load	125 - 317 rpm	
Flow rate	60 -120 gpm	227 - 454 l/min
Maximum torque	475 ft-lbs	644 Nm
Maximum power	18.6 hp	14 kW
Bit to bend	39"	965 mm
Diff. pressure at full load	642 psi	44 bar
Diff. pressure at max torque	800 psi	55 bar
Maximum bit pressure drop	1,500 psi	103 bar
Maximum pull to re-run motor	67,500 lbs	30,617 kg
Pull to yield motor	150,000 lbs	68,039 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	
	4 3/4"	5 7/8"
1.15	170	
1.50	100	480
1.83	70	200
2.12	60	130
2.38	50	100
2.60	50	80
2.77	40	70
2.90	40	60
3.00	40	60

Volume		Speed	Torque	HP
LPM	GPM	RPM	Ft-lbs	
227	60	125 - 159	475	11.3
341	90	203 - 234	420	16.2
454	120	283 - 317	345	18.6

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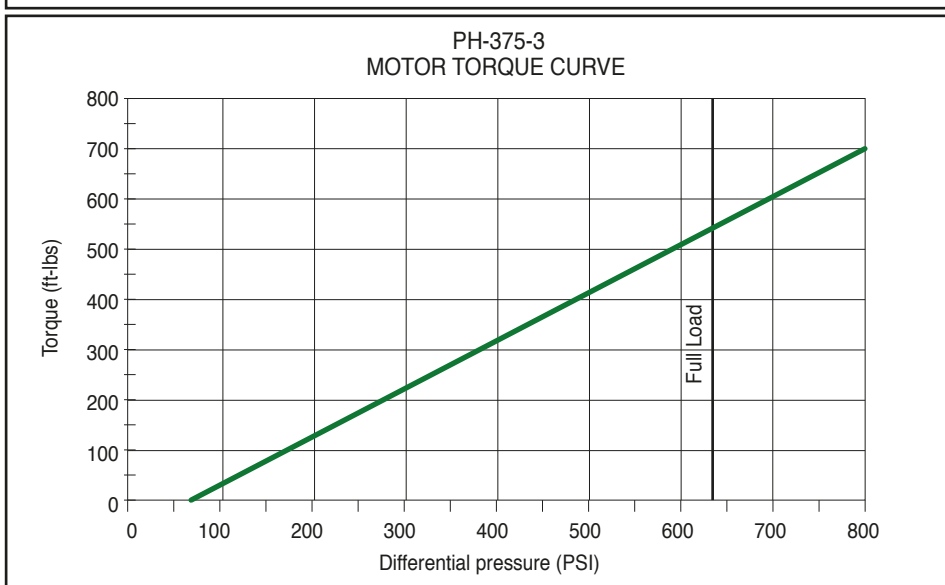
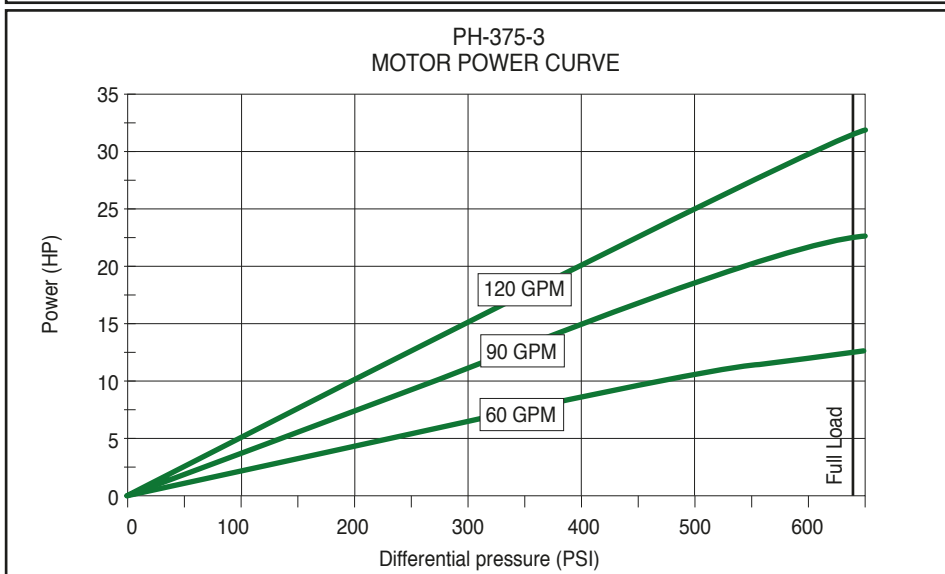
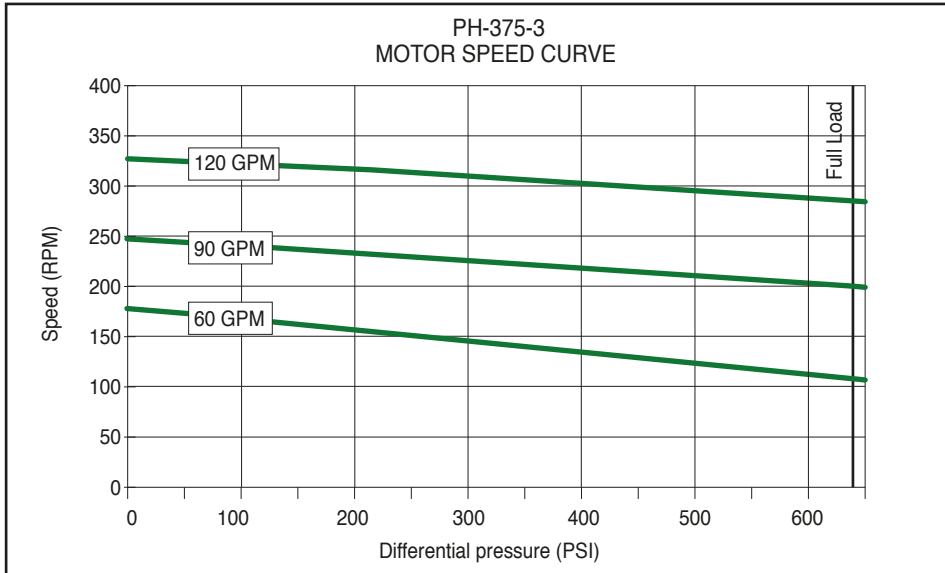
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