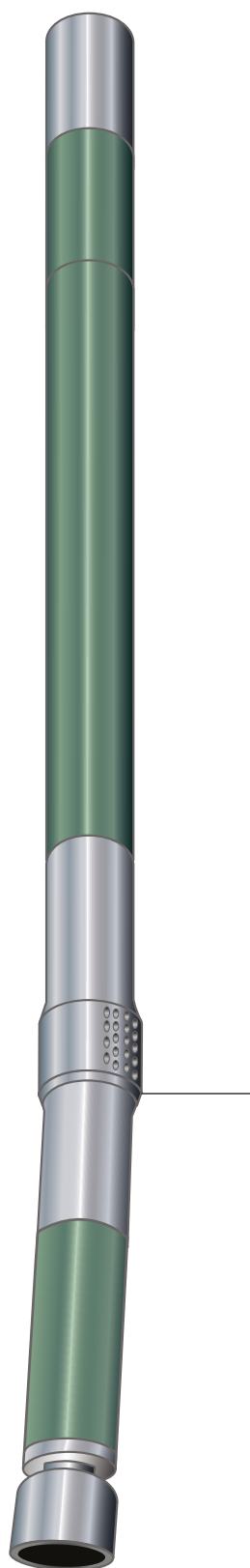




# Mud Motors – 3 3/4" - 9/10 lobe 4.0 stage

## Drilling motors – Technical data



### Motor specifications (PH-375-910-40)

	Imperial	Metric
Tool OD	3 3/4"	95 mm
Weight	379 lbs	172 kg
Length	12.4 ft	3.79 m
Lobe configuration	9/10 lobe	
Number of stages	4.0 stage	
Bit speed at full load	50 - 150 rpm	
Flow rate	60 - 140 gpm	227 - 530 lpm
Maximum torque	1,550 ft-lbs	2,100 Nm
Maximum power	33 hp	25 kW
Bit to bend	46"	1,168 mm
Diff. pressure at full load	600 psi	41 bar
Diff. pressure at max. torque	800 psi	55 bar
Maximum bit pressure drop	1,500 psi	103 bar
Maximum weight on bit	12,000 lbs	53 kN
Maximum pull to re-run motor	70,000 lbs	266 kN
Pull to yield motor	200,000 lbs	890 kN
Top connection (box)	2 7/8" reg.	
Bit connection (box)	2 7/8" reg.	

### 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

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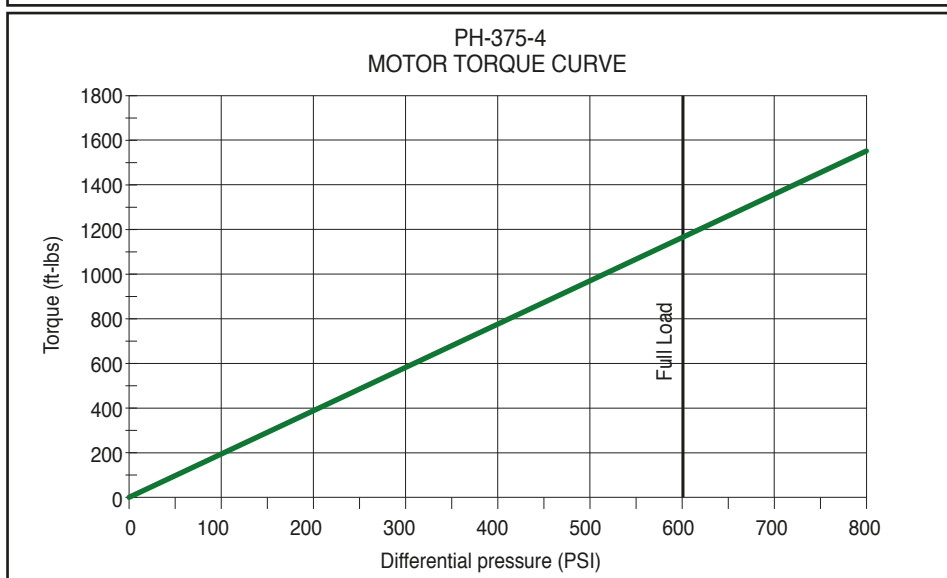
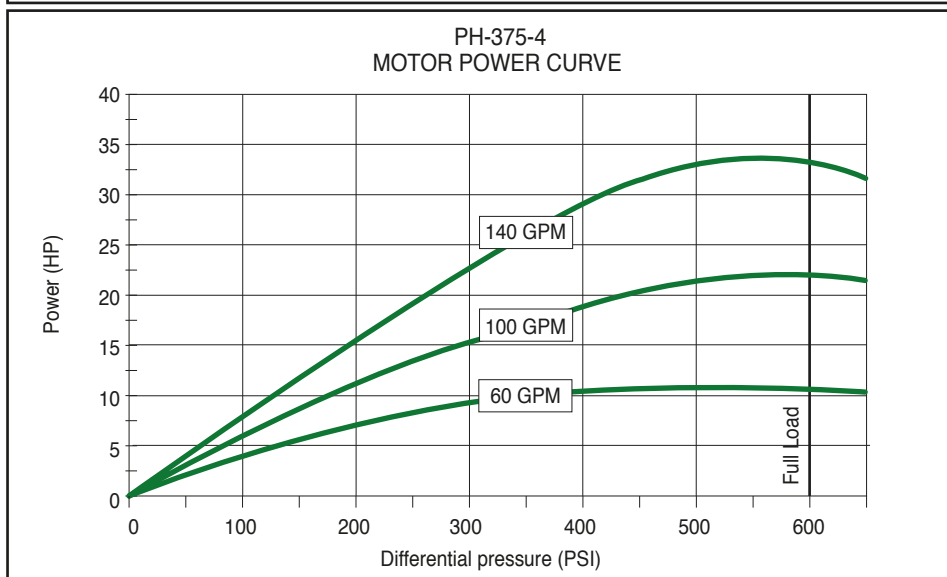
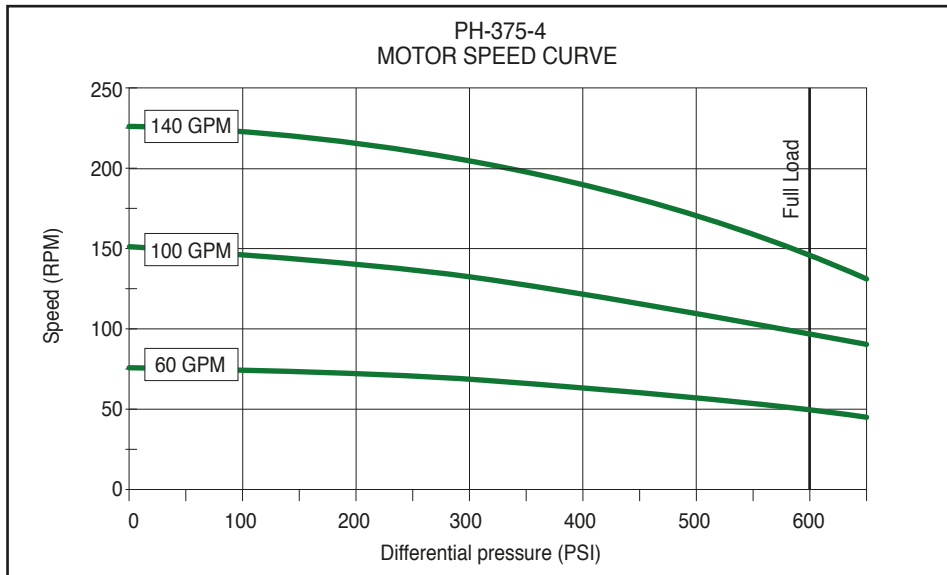
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