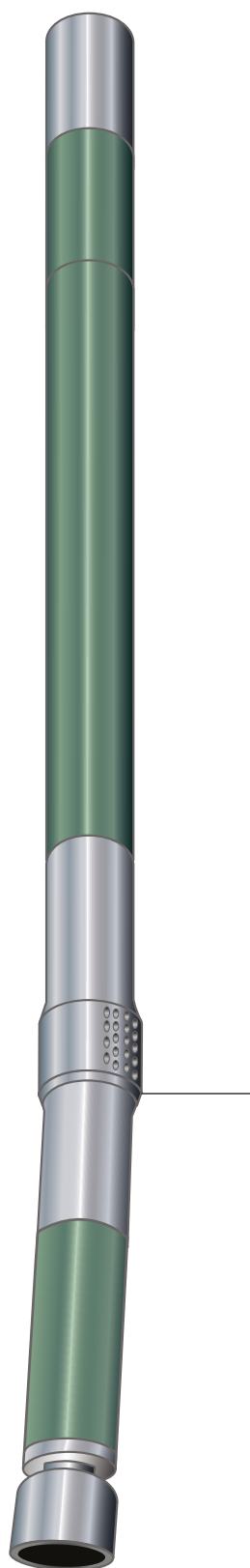




Mud Motors – 7 3/4" - 9/10 lobe 4.0 stage

Drilling motors – Technical data



Motor specifications (PH-775-910-40)		
	Imperial	Metric
Tool OD	7.75"	197 mm
Recommended bit size	9 7/8" - 12 1/4"	251 - 311 mm
Weight	2,668 lbs	1,210 kg
Length	23.6 ft	720 cm
Lobe configuration	9/10 lobe	
Number of stages	4.0 stage	
Bit speed at full load	80 - 180 rpm	
Flow rate	300 - 900 gpm	1,135 - 3,407 l/min
Maximum torque	14,800 ft-lbs	20,000 Nm
Maximum power	383 hp	286 kW
Bit to bend	86"	2,179 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 WOB	80,000 lbs	36,287 kg
Maximum pull to re-run motor	275,000 lbs	124,737 kg
Pull to yield motor	750,000 lbs	340,194 kg
Top connection (Box)	6 5/8" reg.	
Bit connection (Box)	6 5/8" reg.	

Predicted build radius (m)

Bend angle	Slick bearing housing		
	Hole size		
	9 7/8"	10 5/8"	12 1/4"
0.31			
0.62			
0.93	1290	1110	
1.22	450	440	
1.50	280	280	
1.76	200	210	1200
2.00	160	170	500
2.23	140	150	320
2.42	120	130	250
2.60	110	120	200
2.74	100	120	180
2.85	100	110	160
2.93	90	110	150
2.98	90	110	150
3.00	90	100	140

Prime Horizontal offices

www.primehorizontal.com

United States, Canada, Mexico, Brazil

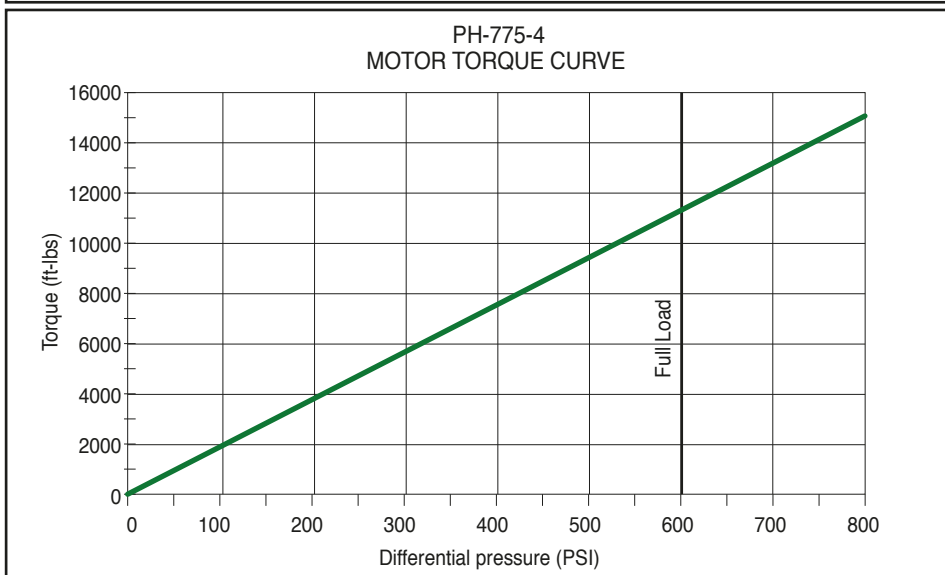
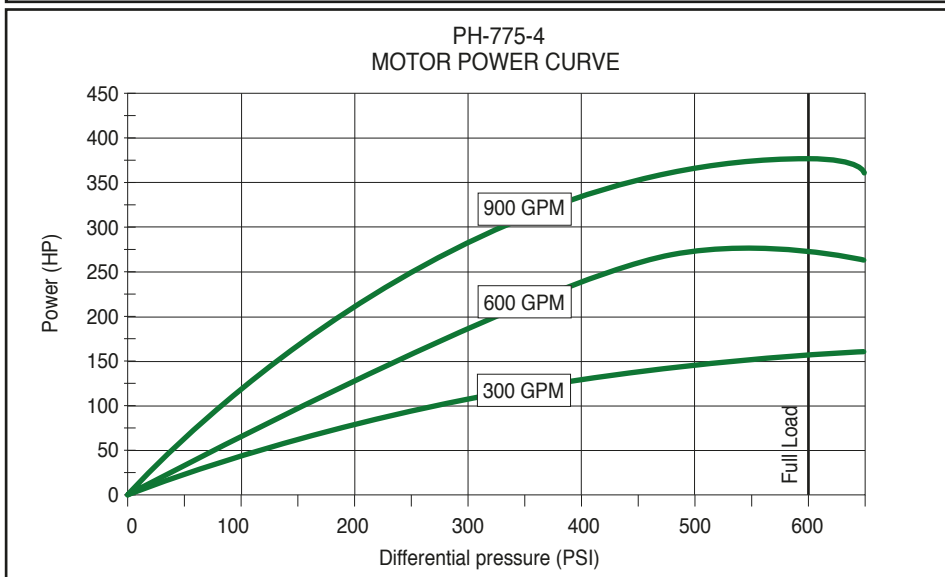
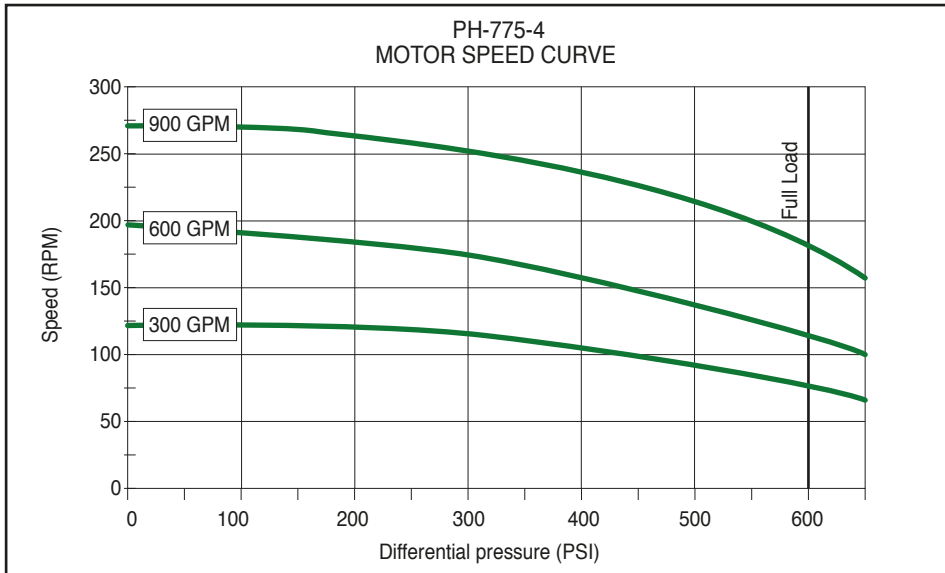
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