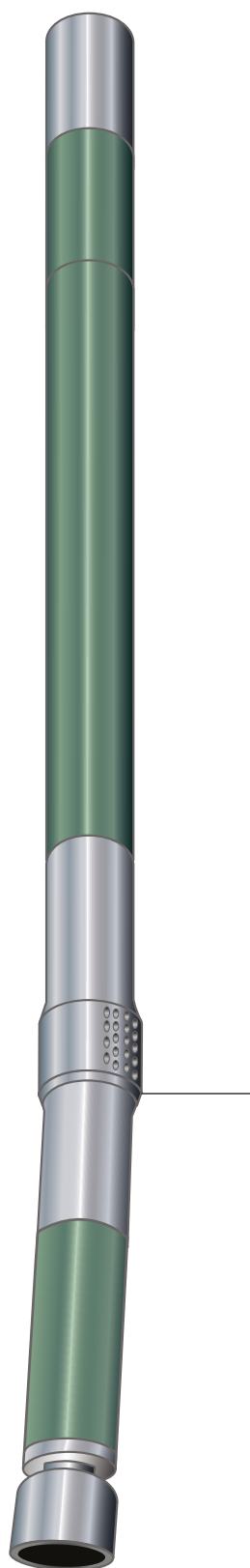




Mud Motors – 3 3/4" - 9/10 lobe 3.0 stage

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

Prime Horizontal offices

www.primehorizontal.com

United States, Canada, Mexico, Brazil

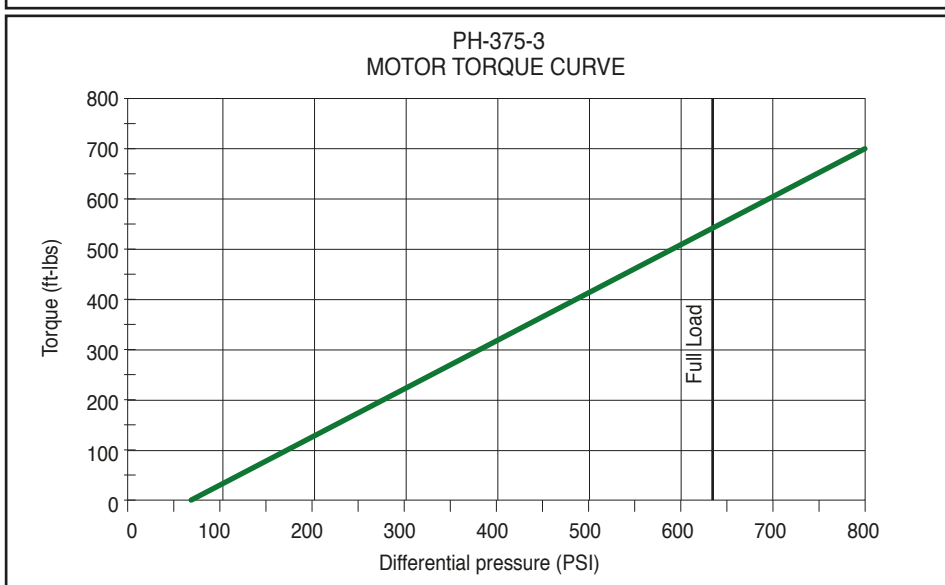
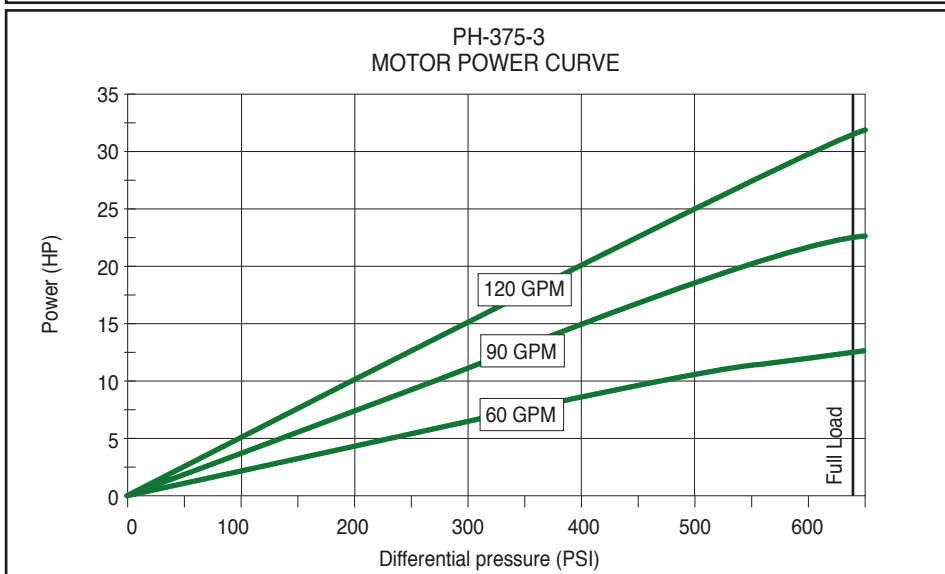
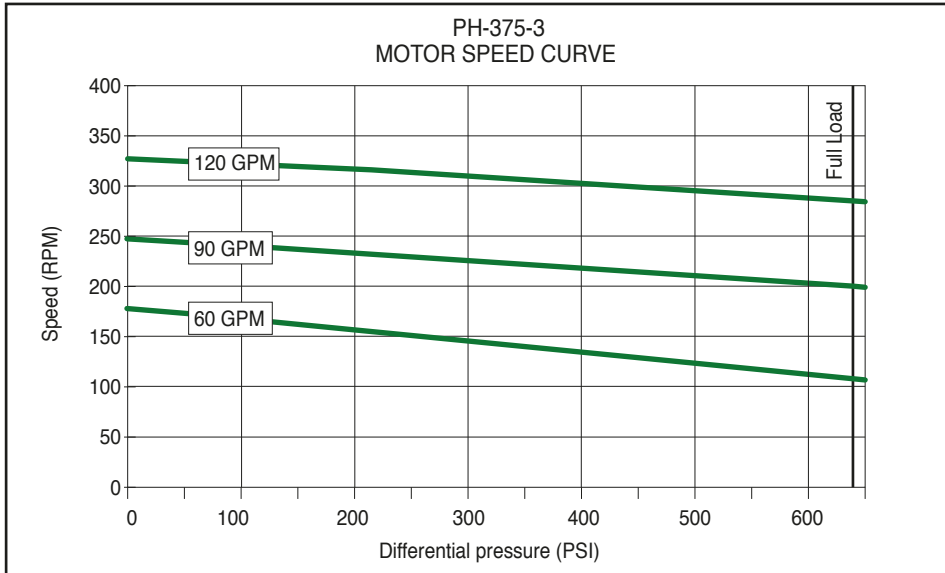
Prime Horizontal Inc
7710 Harms Road, Houston, TX 77041 US
Ph (US): +1 346 998 1180
Ph (CA): +1 780 800 6614
Ph (BRZ): +55 71 3023 0934

Europe, China, Middle East

Prime Horizontal Ltd
Salland 3
1948 RE Beverwijk
The Netherlands
Phone: +31 251 271 790

Australia, Southeast Asia, India

Prime Horizontal Australia Pty Ltd
10 Enterprise Street, Cleveland,
QLD 4163, Australia
Ph (AUS): +61 73 821 3684
Ph (IND): Phone: +91 997 172 9753



United States, Canada, Mexico, Brazil

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 7710 Harms Road, Houston, TX 77041 US
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 Ph (CA): +1 780 800 6614
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 Ph (AUS): +61 73 821 3684
 Ph (IND): Phone: +91 997 172 9753