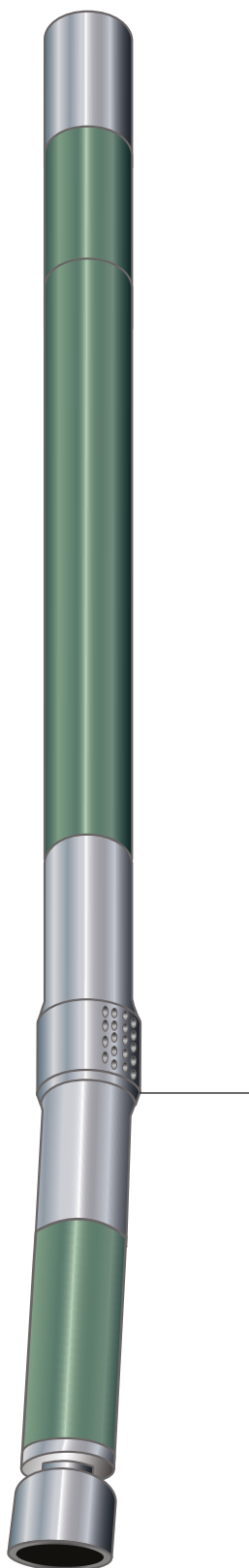




Mud Motors – 3 3/4" - 5/6 lobe 3.0 stage

Drilling motors – Technical data



Motor specifications (PH-375-560-30)		
	Imperial	Metric
Tool OD	3 3/4"	95 mm
Weight	348 lbs	158 kg
Length	12.4 ft	3.78 m
Lobe configuration	5/6 lobe	
Number of stages	3.0 stage	
Bit speed at full load	100 - 260 rpm	
Flow rate	80 - 190 gpm	303 - 719 lpm
Maximum torque	1,340 ft-lbs	1,817 Nm
Maximum power	50 hp	37 kW
Bit to bend	46"	1,168 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 weight on bit	12,000 lbs	5,443 kg
Maximum pull to re-run motor	70,000 lbs	31,751 kg
Pull to yield motor	200,000 lbs	90,718 kg
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"
0.31				
0.62	4090			
0.93	330	570		
1.22	180	230	560	
1.50	120	150	230	410
1.76	100	110	150	210
2.00	80	90	110	150
2.23	70	80	90	110
2.42	60	70	80	100
2.60	60	60	70	80
2.74	50	60	70	80
2.85	50	60	60	70
2.93	50	50	60	70
2.98	50	50	60	70
3.00	50	50	60	70

Prime Horizontal offices

www.primehorizontal.com

United States, Canada, Mexico, Brazil

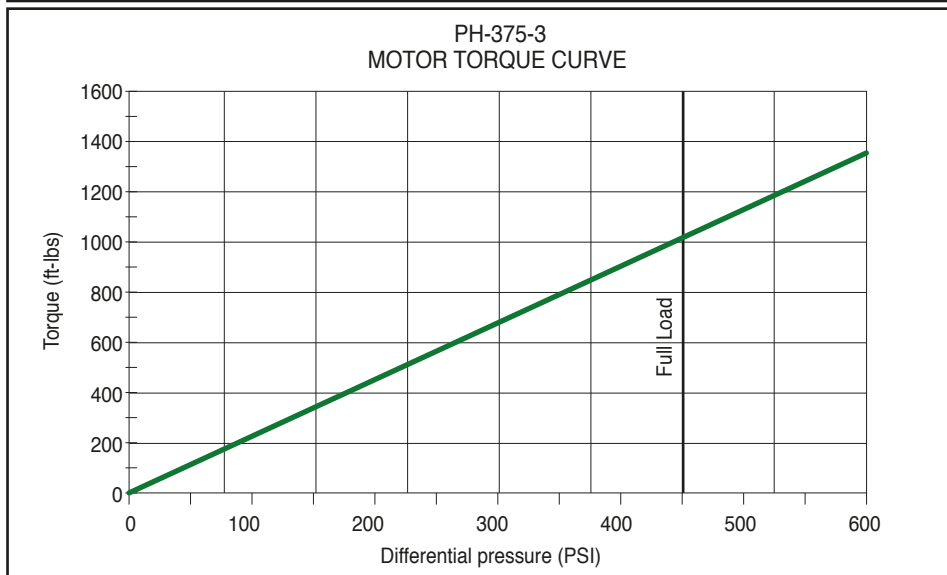
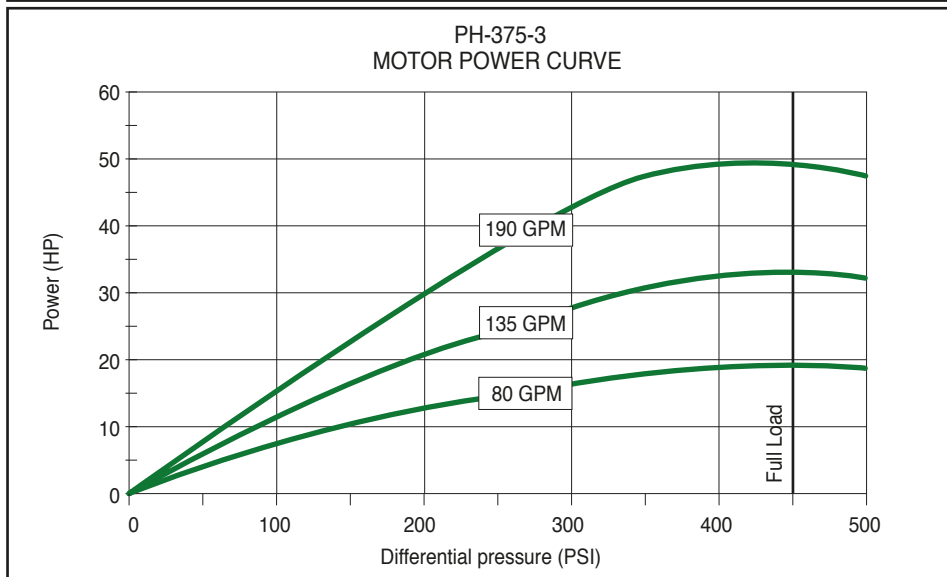
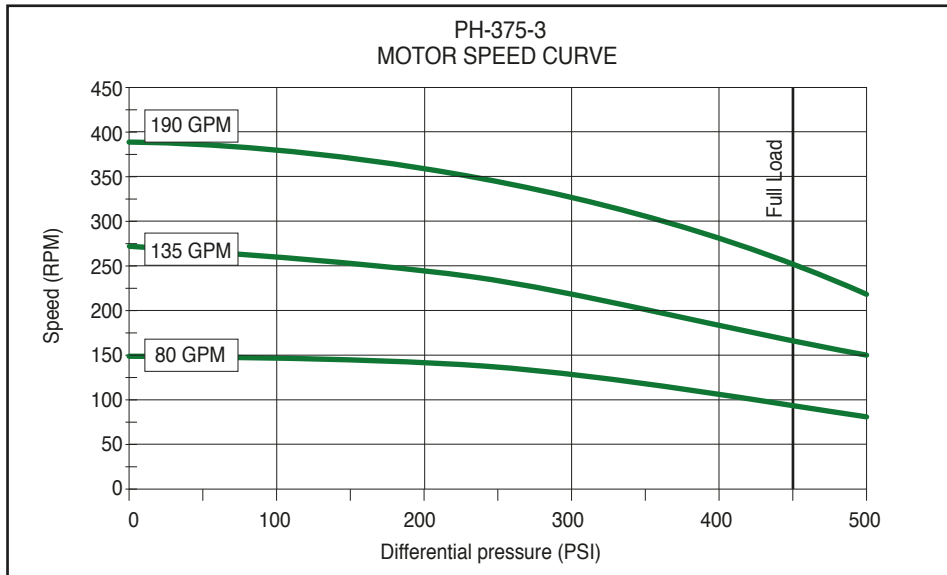
Prime Horizontal Inc
7710 Harms Road, Houston, TX 77041 US
Ph (US): +1 346 998 1180
Ph (CA): +1 780 800 6614
Ph (BRZ): +55 71 3023 0934

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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