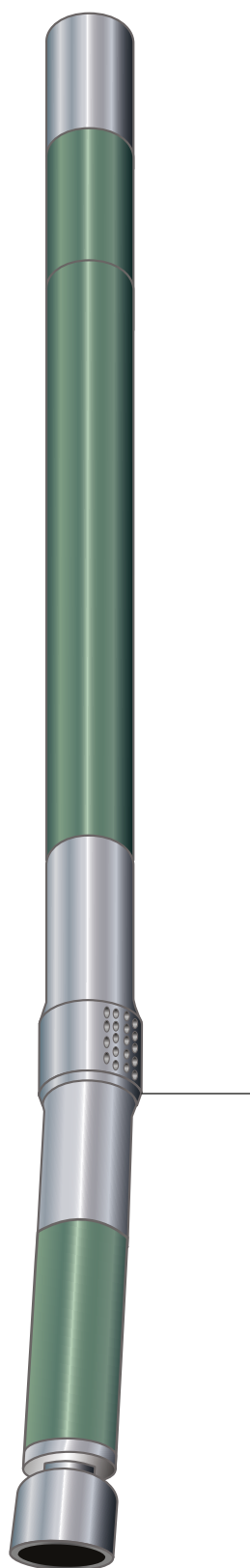




Mud Motors – 4 3/4" - 9/10 lobe 4.0 stage

Drilling motors – Technical data



Motor specifications (PH-475-910-40)		
	Imperial	Metric
Tool OD	4.75"	120 mm
Recommended bit size	6" - 7 7/8"	152 - 200 mm
Weight	1,100 lbs	499 kg
Length	22.3 ft	680 cm
Lobe configuration	9/10 lobe	
Number of stages	4.0 stage	
Bit speed at full load	70 - 175 rpm	
Flow rate	100 - 250 gpm	379 - 946 l/min
Maximum torque	4,960 ft-lbs	6,725 Nm
Maximum power	125 hp	93 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 WOB	25,000 lbs	11,340 kg
Maximum pull to re-run motor	100,000 lbs	45,359 kg
Pull to yield motor	300,000 lbs	136,077 kg
Top connection (Box)	3 1/2" IF 3 1/2" reg.	
Bit connection (Box)	3 1/2" reg.	

Predicted build radius (m)

Bend angle	Slick bearing housing			
	Hole size			
	6"	6 1/8"	6 3/4"	7 7/8"
0.31				
0.62				
0.93	560	840		
1.22	230	270	1430	
1.50	150	170	320	
1.76	110	120	190	5730
2.00	90	100	140	450
2.23	80	80	110	240
2.42	70	70	90	170
2.60	60	70	80	140
2.74	60	60	70	120
2.85	60	60	70	110
2.93	60	60	70	100
2.98	50	60	70	100
3.00	50	60	70	90

Prime Horizontal offices

www.primehorizontal.com

United States, Canada, Mexico, Brazil

Prime Horizontal Inc

1302 Gulf Boulevard, New Iberia, LA 70560 US

Ph (US): +1 337 359 9061

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

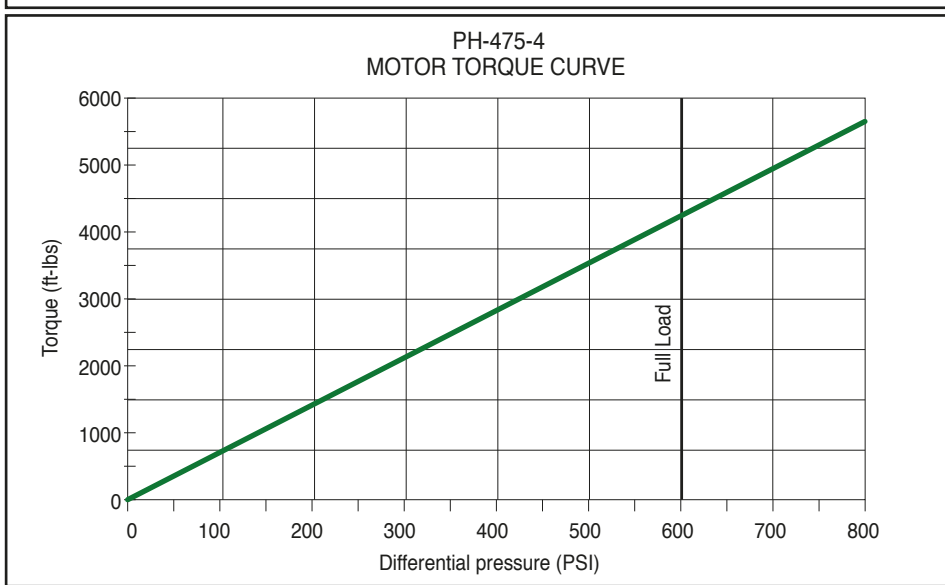
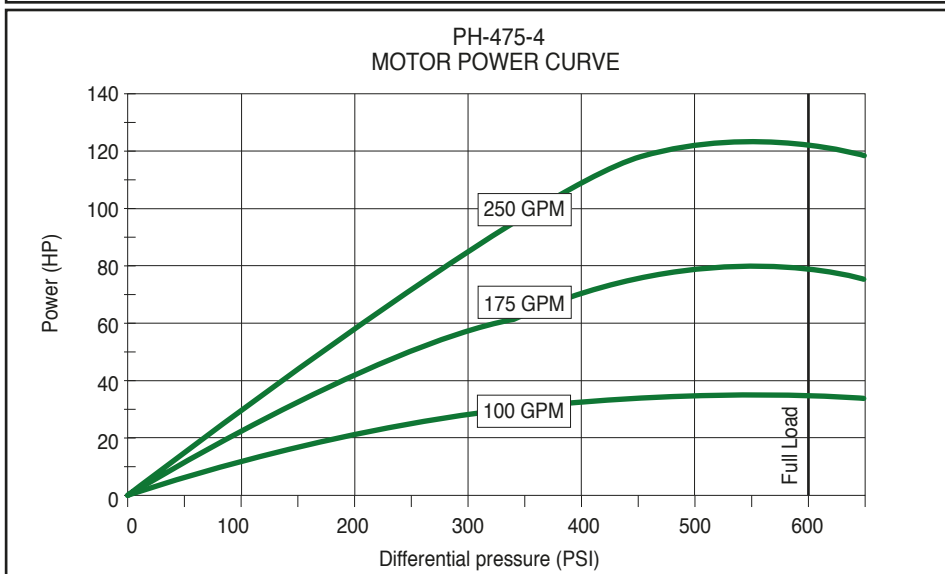
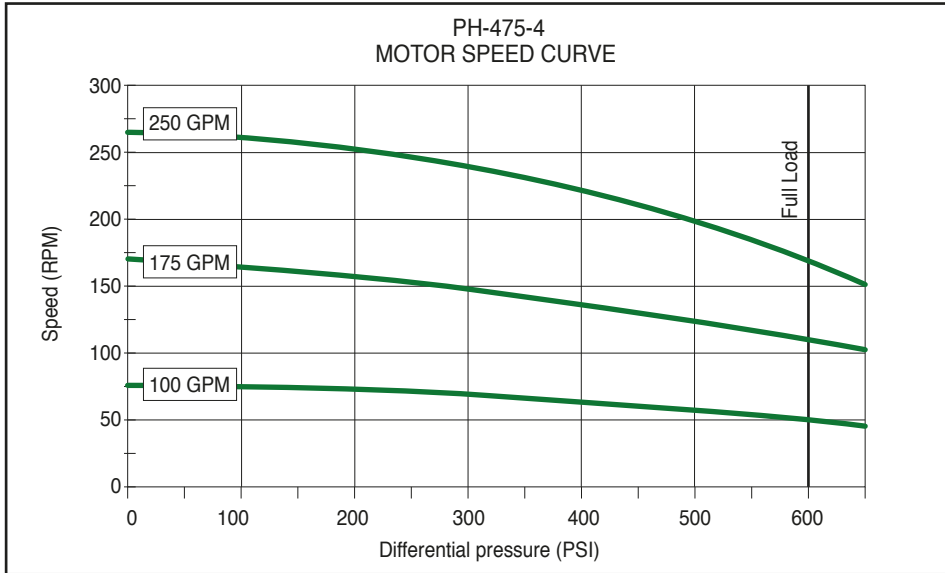
Prime Horizontal Australia Pty Ltd

10 Enterprise Street, Cleveland,

QLD 4163, Australia

Ph (AUS): +61 73 821 3684

Ph (IND): Phone: +91 997 172 9753



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