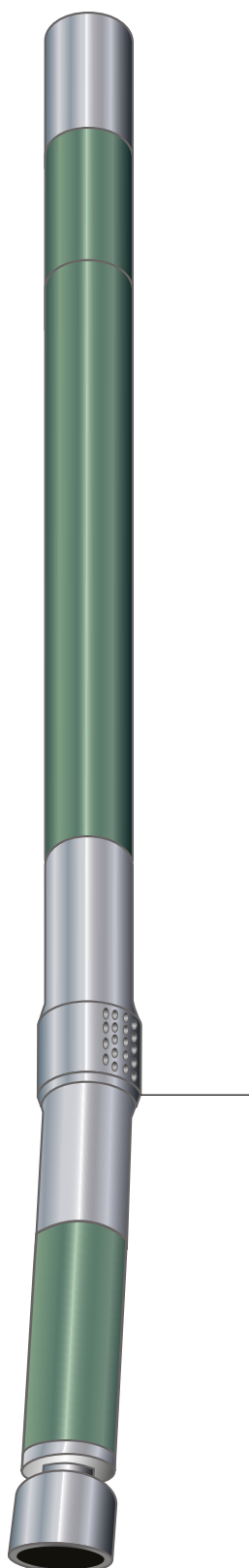




Mud Motors – 6 3/4" - 9/10 lobe 4.0 stage

Drilling motors – Technical data



Motor specifications (PH-675-910-40)		
	Imperial	Metric
Tool OD	6.75"	172 mm
Recommended bit size	7 7/8" - 9 7/8"	200 - 251 mm
Weight	2,135 lbs	968 kg
Length	22.9 ft	700 cm
Lobe configuration	9/10 lobe	
Number of stages	4.0 stage	
Bit speed at full load	50 - 180 rpm	
Flow rate	250 - 600 gpm	946 - 2271 l/min
Maximum torque	12,400 ft-lbs	16,812 Nm
Maximum power	321 hp	239 kW
Bit to bend	76"	1,930 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	75,000 lbs	34,019 kg
Maximum pull to re-run motor	225,000 lbs	102,058 kg
Pull to yield motor	650,000 lbs	294,835 kg
Top connection (Box)	4 1/2" IF 4 1/2" reg.	
Bit connection (Box)	4 1/2" reg.	

Predicted build radius (m)

Bend angle	Slick bearing housing			
	Hole size			
	7 7/8"	8 1/2"	8 3/4"	9 7/8"
0.31				
0.62	1440			
0.93	480	1060	2070	
1.22	290	440	550	
1.50	210	280	320	940
1.76	170	210	230	450
2.00	140	170	190	300
2.23	130	150	160	230
2.42	110	130	140	190
2.60	100	120	120	170
2.74	100	110	120	150
2.85	90	100	110	140
2.93	90	100	110	130
2.98	90	100	100	130
3.00	90	100	100	130

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

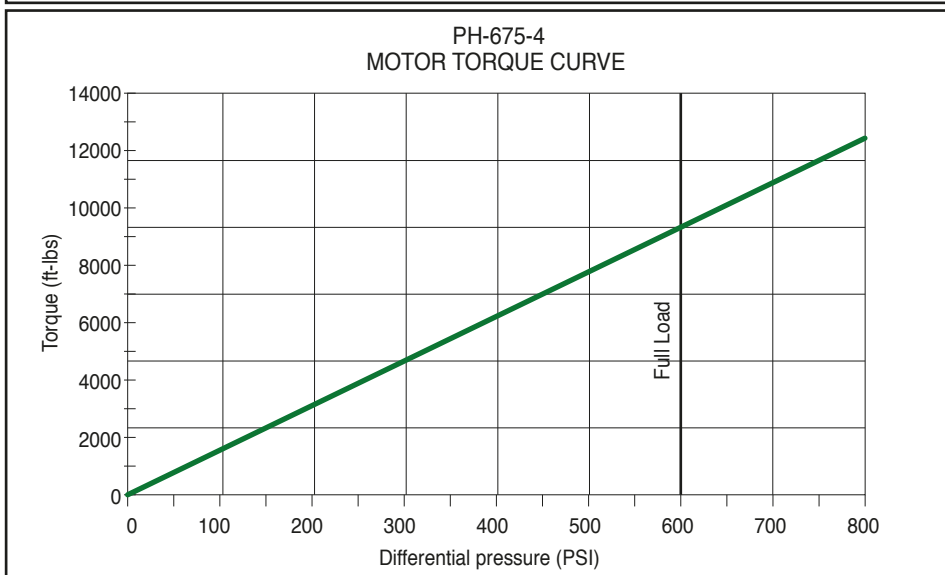
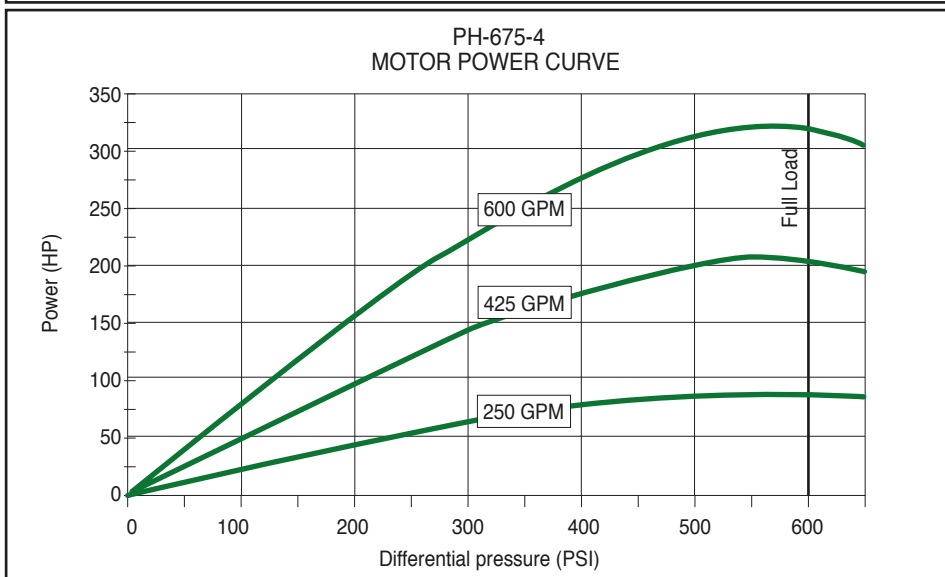
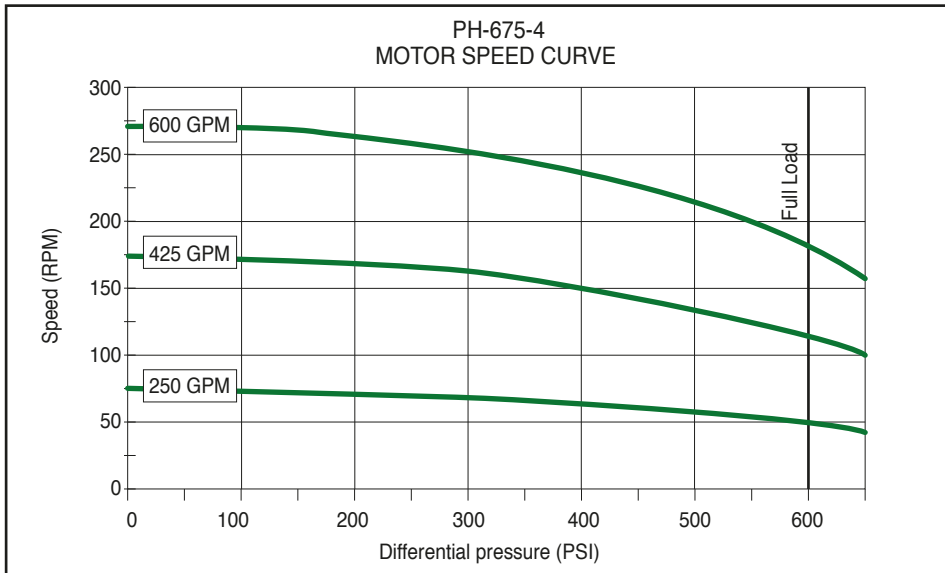
Prime Horizontal Australia Pty Ltd

10 Enterprise Street, Cleveland,

QLD 4163, Australia

Ph (AUS): +61 73 821 3684

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



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