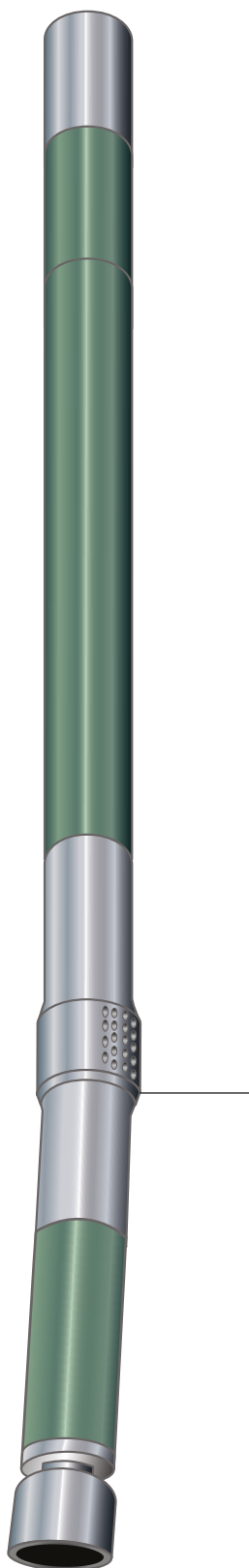




# Mud Motors – 4 3/4" - 4/5 lobe 3.5 stage

Drilling motors – Technical data



Motor specifications (PH-475-450-35)		
	Imperial	Metric
Tool OD	4.75"	120 mm
Recommended bit size	6" - 7 7/8"	152 - 200 mm
Weight	992 lbs	450 kg
Length	17.3 ft	527 cm
Lobe configuration	4/5 lobe	
Number of stages	3.5 stage	
Bit speed at full load	100 - 280 rpm	
Flow rate	100 - 277 gpm	380 - 1,050 l/min
Maximum torque	1,136 ft-lbs	1,540 Nm
Maximum power	53 hp	39 kW
Bit to bend	51.8"	1,316 mm
Diff. pressure at full load	406 psi	28 bar
Maximum WOB	51,000 lbs	23,133 kg
Maximum pull to re-run motor	176,000 lbs	79,832 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	550	830		
1.22	230	270	1400	
1.50	150	160	320	
1.76	110	120	190	4910
2.00	90	100	140	450
2.23	80	80	110	240
2.42	70	70	100	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

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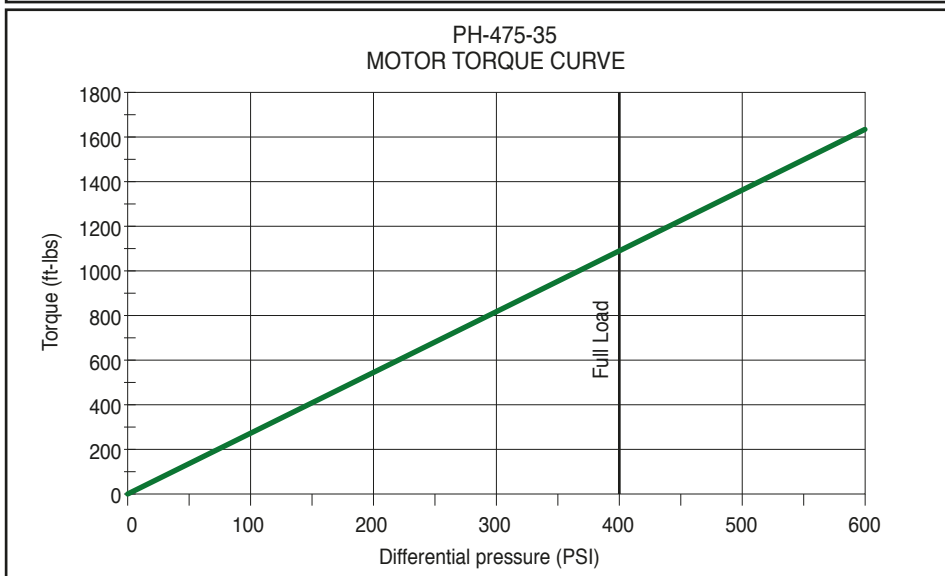
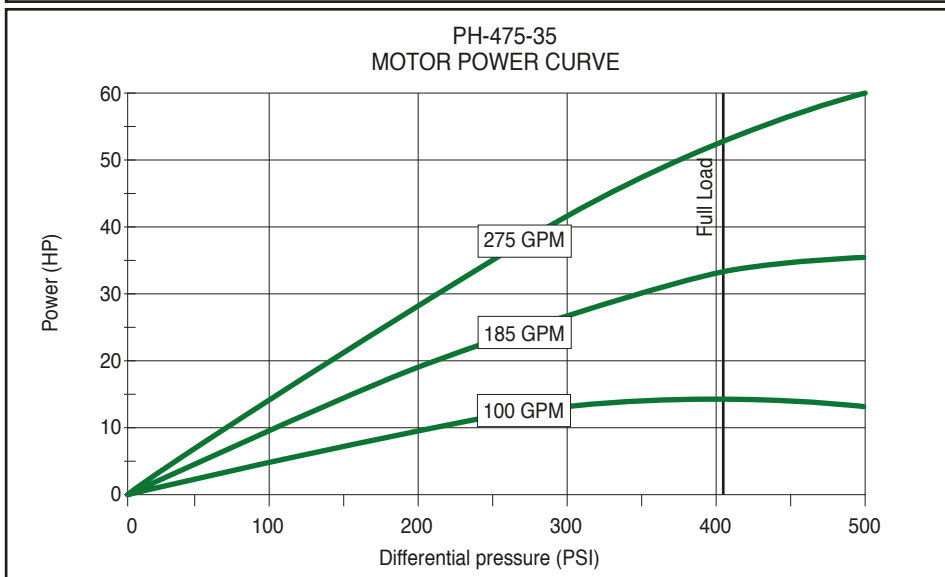
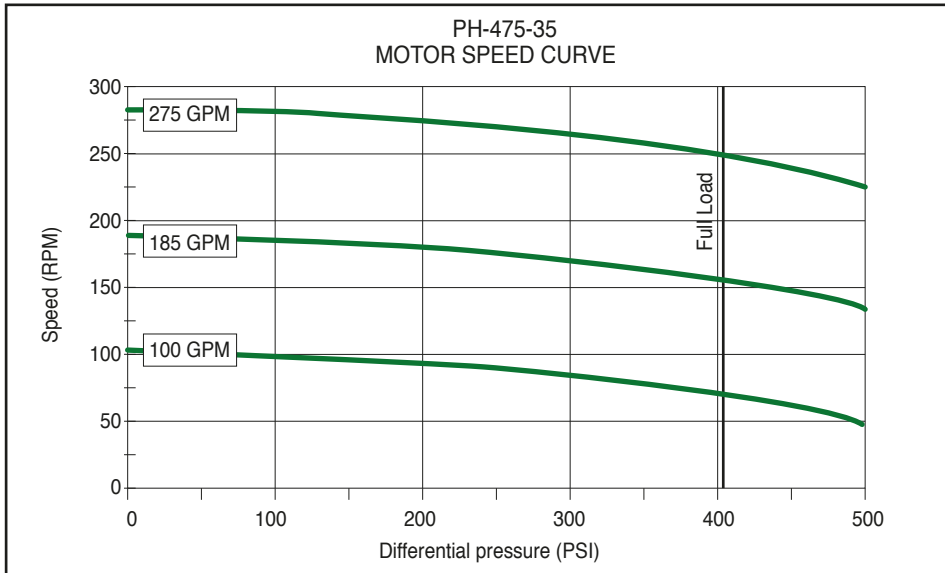
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