

### General Dimensional Data

Motor: G2 Transmission: Flex Shaft

A - Overall Motor Length	8.6 ft (2.6 m)
Common Top Connection	1" MT/REG
Common Bottom Connection	1" MT/REG
Recommended Bit Sizes	1-7/8 in to 2-3/4 in (47.6 - 69.9 mm)
Estimated Weight	-

### Motor Loads

	Continuous Operation	Ultimate Loading
WOB - lbs (kg)	3,750 (1,700)	-
Backreaming - lbs (kg)	1,610 (730)	-
Bit Overpull* - lbs (kg)	22,000 (9,980)	39,000 (17,690)
Body Overpull* - lbs (kg)	29,000 (13,150)	52,000 (23,590)

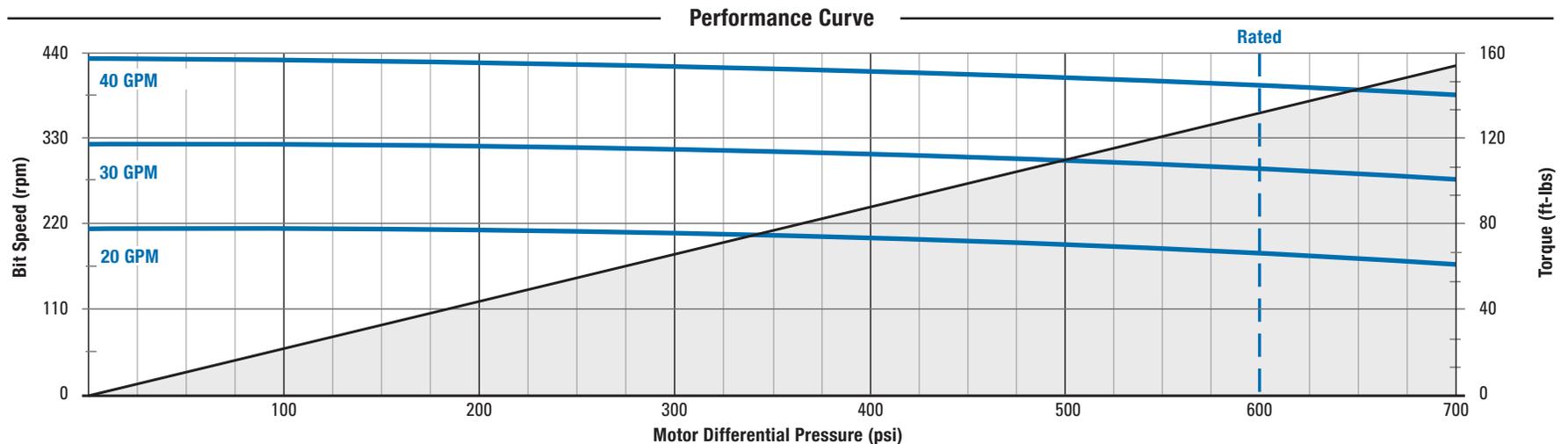
#### \*While Not Operating

Continuous Loads - Lay motor down if exceeded  
 Ultimate Loads - Motor may part if exceeded

### Power Section Specifications

Lobes: 5/6

Flow Range	20 - 40 gpm (76 - 151 lpm)	Max Recommended Pressure	600 psi (41.4 bar)
Speed Ratio	10.82 rev/gal (2.86 rev/l)	Torque Slope	0.22 ft-lb/psi (4.33 Nm/bar)
No Load Bit Speed	216 - 433 rpm	Torque @ Max Recommended Pressure	132 ft-lbs (179 Nm)
No Load Pressure Drop	300 psi (20.68 bar)	Power @ Max Recommended Pressure	10 hp (7 kW)



Disclaimer: The Performance Curve and Performance Data published by BICO Drilling Tools are based on recorded dynamometer data at surface temperature (72 degF) on a standard fit configuration between rotor and stator, with clean water, and are presented as a reference to the potential power of the power section and or motor. Downhole conditions such as highly elevated bottom hole temperatures and different drilling/intervention fluids shall require adjusted loose fits that may produce reduced power during surface (dynamometer) testing and will achieve the expected torque and speed values when reaching planned conditions. Contact BICO for the adjusted performance curves.