

General Dimensional Data

Motor: G2 Transmission: Flex Shaft

A - Overall Motor Length	13.6 ft (4.1 m)
Common Top Connection	2-3/8 REG
Common Bottom Connection	2-3/8 REG
Recommended Bit Sizes	3-1/4 in to 4 in (82.6 - 101.6 mm)
Estimated Weight	-

Motor Loads

	Continuous Operation	Ultimate Loading
WOB - lbs (kg)	8,750 (3,360)	-
Backreaming - lbs (kg)	2,500 (1,130)	-
Bit Overpull* - lbs (kg)	56,000 (25,400)	105,000 (47,630)
Body Overpull* - lbs (kg)	88,000 (39,920)	180,000 (81,650)

*While Not Operating

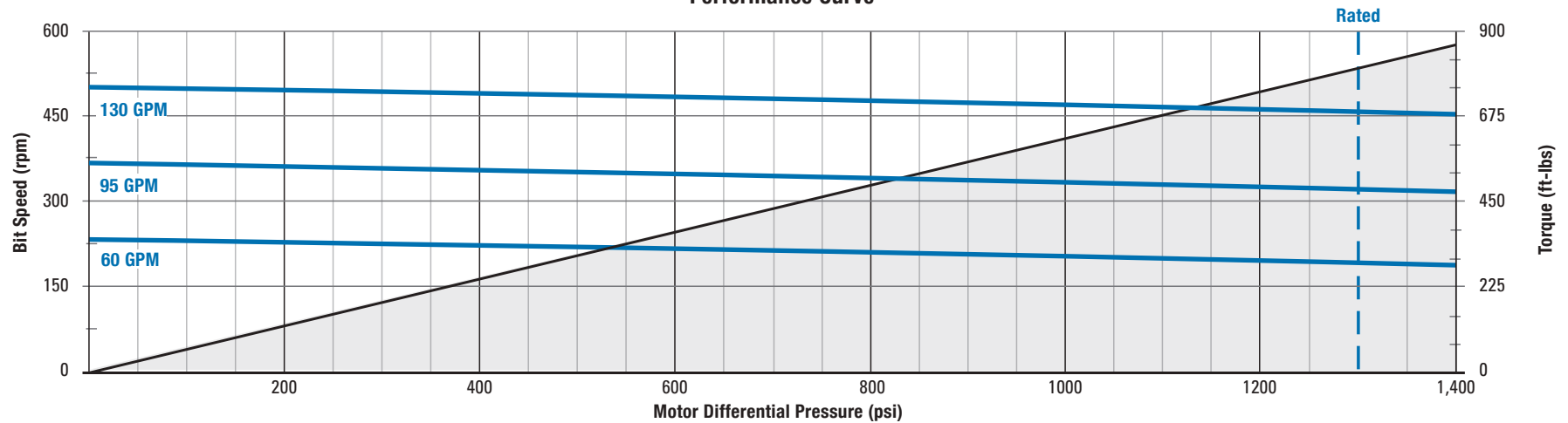
Continuous Loads - Lay motor down if exceeded
 Ultimate Loads - Motor may part if exceeded

Power Section Specifications

Lobes: 5/6

Flow Range	60 - 130 gpm (227 - 492 lpm)	Max Recommended Pressure	1,300 psi (89.63 bar)
Speed Ratio	3.87 rev/gal (1.02 rev/l)	Torque Slope	0.62 ft-lbs/psi (12.19 Nm/bar)
No Load Bit Speed	232 - 503 rpm	Torque @ Max Recommended Pressure	806 ft-lbs (688 Nm)
No Load Pressure Drop	450 psi (31.03 bar)	Power @ Max Recommended Pressure	77 hp (56 kW)

Performance Curve



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.