



ROTOR DIMENSIONAL DATA

Length	91.6 in (2,326 mm)	Eccentricity	0.122 in (3.10 mm)
Contour Length	87.9 in (2,232 mm)	Head Diameter	2.06 in (52.3 mm)
Major Diameter	2.118 in (53.80 mm)	Weight	55 lbs (25 kg)

STATOR DIMENSIONAL DATA

Length	100 in (2,539 mm)	Rubber Cutback Top	7.0 in (177.8 mm)
Tube OD	3.54 in (90.0 mm)	Rubber Cutback Bottom	7.0 in (177.8 mm)
Tube ID	2.63 in (66.7 mm)	Weight	149 lbs (68 kg)

FITS (IN)

(+ Compression / - Loose)

Size	Minor ¹	75° F	150° F	225° F	300° F	375° F
STD	1.874	0.000	0.004	0.008	0.012	0.016
OS	-	-	-	-	-	-
2OS	-	-	-	-	-	-

FITS (MM)

(+ Compression / - Loose)

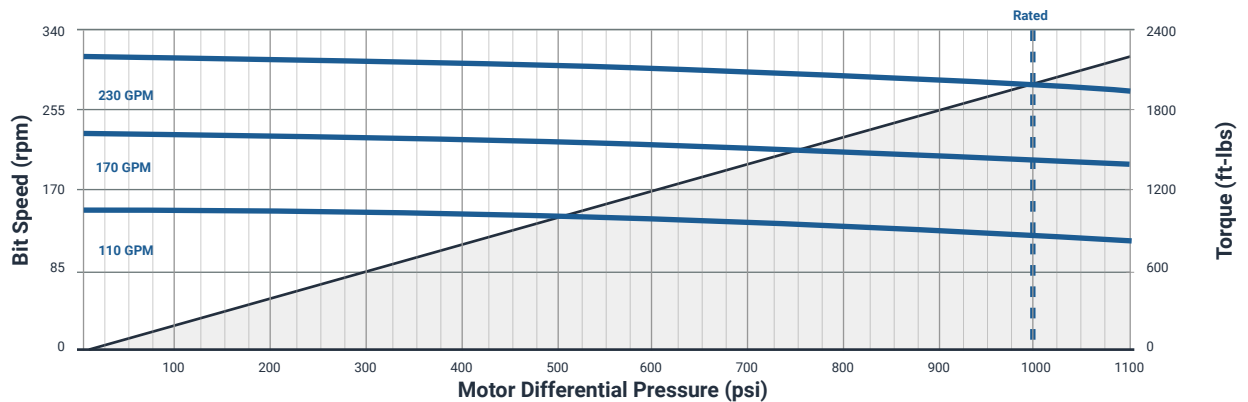
Size	Minor ¹	25° C	65° C	110° C	150° C	190° C
STD	36.195	0.000	0.102	0.203	0.305	0.406
OS	-	-	-	-	-	-
2OS	-	-	-	-	-	-

POWER SECTION SPECIFICATIONS

Lobes: 7/8 | Stages: 2.5

Flow Range	110 - 230 gpm (416 - 871 lpm)	Max Recommended Pressure	1,000 psi (68.9 bar)
Speed Ratio	1.34 rev/gal (0.354 rev/l)	Torque Slope	2.00 ft-lbs/psi
No Load Bit Speed	147 - 308 rpm	Torque @ Max Recommended Pressure	2,000 ft-lbs (2,712 Nm)
No Load Pressure Drop	100 psi (6.9 bar)	Power @ Max Recommended Pressure	107 hp (80 kW)
		Stall Torque ²	6,000 ft-lbs (8,135 Nm)

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.

Minor¹ Nominal Vector Gauge reading of stator elastomer minor diameter at 72° F (22° C). Stall Torque² Based upon extrapolation of the max flow rate curve until zero RPM with linear torque.

