



ROTOR DIMENSIONAL DATA

Length	238.5 in (6,058 mm)	Eccentricity	0.181 in (4.60 mm)
Contour Length	231.0 in (5,867 mm)	Head Diameter	3.54 in (89.9 mm)
Major Diameter	3.378 in (85.80 mm)	Weight	454 lbs (206 kg)

STATOR DIMENSIONAL DATA

Length	275.5 in (6,539 mm)	Rubber Cutback Top	8.0 in (203.2 mm)
Tube OD	5.25 in (133.4 mm)	Rubber Cutback Bottom	18.5 in (469.9 mm)
Tube ID	3.94 in (100.0 mm)	Weight	817 lbs (371 kg)

FITS (IN)

(+ Compression / - Loose)

Size	Minor ¹	75° F	150° F	225° F	300° F	375° F
STD	3.016	0.000	0.007	0.015	0.022	0.029
OS	-	-	-	-	-	-
20S	-	-	-	-	-	-

FITS (MM)

(+ Compression / - Loose)

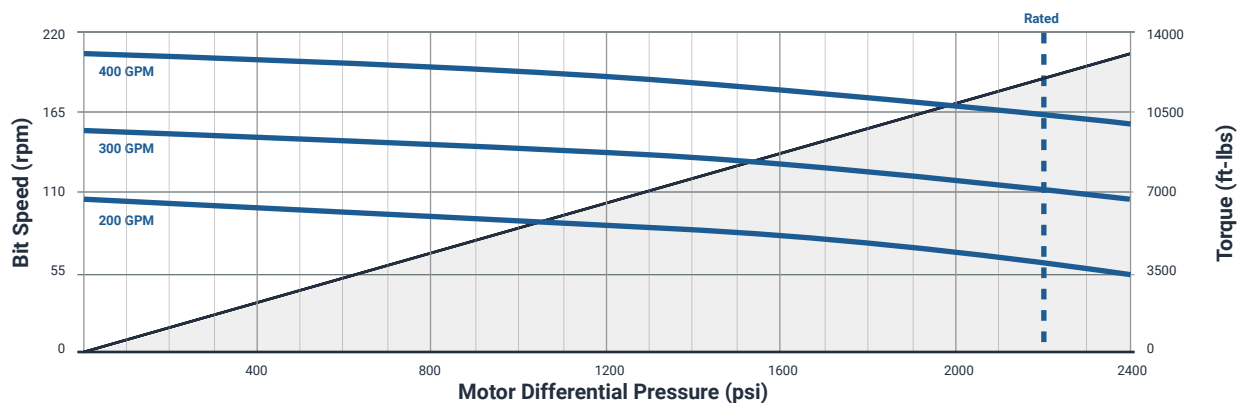
Size	Minor ¹	25° C	65° C	110° C	150° C	190° C
STD	76.606	0.000	0.178	0.381	0.559	0.737
OS*	-	-	-	-	-	-
20S	-	-	-	-	-	-

POWER SECTION SPECIFICATIONS

Lobes: 7/8 | Stages: 6.1

Flow Range	200 - 400 gpm (757 - 1,514 lpm)	Max Recommended Pressure	2,200 psi (151.7 bar)
Speed Ratio	0.51 rev/gal (0.135 rev/l)	Torque Slope	5.45 ft-lbs/psi
No Load Bit Speed	102 - 204 rpm	Torque @ Max Recommended Pressure	11,990 ft-lbs (16,256 Nm)
No Load Pressure Drop	500 psi (34.5 bar)	Power @ Max Recommended Pressure	374 hp (279 kW)
		Stall Torque ²	30,520 ft-lbs (41,379 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.

¹Minor¹ Nominal Vector Gauge reading of stator elastomer minor diameter at 72° F (22° C). ²Stall Torque² Based upon extrapolation of the max flow rate curve until zero RPM with linear torque.

