9.625” SSS75
POWER SECTION

ROTOR DIMENSIONAL DATA

Length	237 in (6,020 mm)	Eccentricity	0.353 in (8.97 mm)
Contour Length	226.5 in (5,753 mm)	Head Diameter	6.90 in (175.3 mm)
Major Diameter	6.367 in (161.72 mm)	Weight	1,635 lbs (742 kg)

STATOR DIMENSIONAL DATA

Length	262.5 in (6,666 mm)	Rubber Cutback Top	8.0 in (203.2 mm)
Tube OD	9.65 in (245.0 mm)	Rubber Cutback Bottom	28.0 in (711.2 mm)
Tube ID	7.85 in (199.4 mm)	Weight	2,250 lbs (1,021 kg)

FITS (IN)
(+ Compression / - Loose)

Size	Minor¹	75° F	150° F	225° F	300° F	375° F
STD	5.661	0.000	0.007	0.015	0.022	0.029
OS	-	-	-	-	-	-
2OS	-	-	-	-	-	-

FITS (MM)
(+ Compression / - Loose)

Size	Minor¹	25° C	65° C	110° C	150° C	190° C
STD	143.789	0.000	0.178	0.381	0.559	0.737
OS	-	-	-	-	-	-
2OS	-	-	-	-	-	-

POWER SECTION SPECIFICATIONS
Lobes: 7/8 | **Stages:** 4.8

Flow Range	600 - 1,200 gpm (2,271 - 4,542 lpm)	Max Recommended Pressure	1,550 psi (106.9 bar)
Speed Ratio	0.07 rev/gal (0.018 rev/l)	Torque Slope	26.22 ft-lbs/psi
No Load Bit Speed	42 - 84 rpm	Torque @ Max Recommended Pressure	40,641 ft-lbs (55,101 Nm)
No Load Pressure Drop	500 psi (34.5 bar)	Power @ Max Recommended Pressure	518 hp (386 kW)
		Stall Torque²	66,861 ft-lbs (90,650 Nm)


SpiroStar Supreme®


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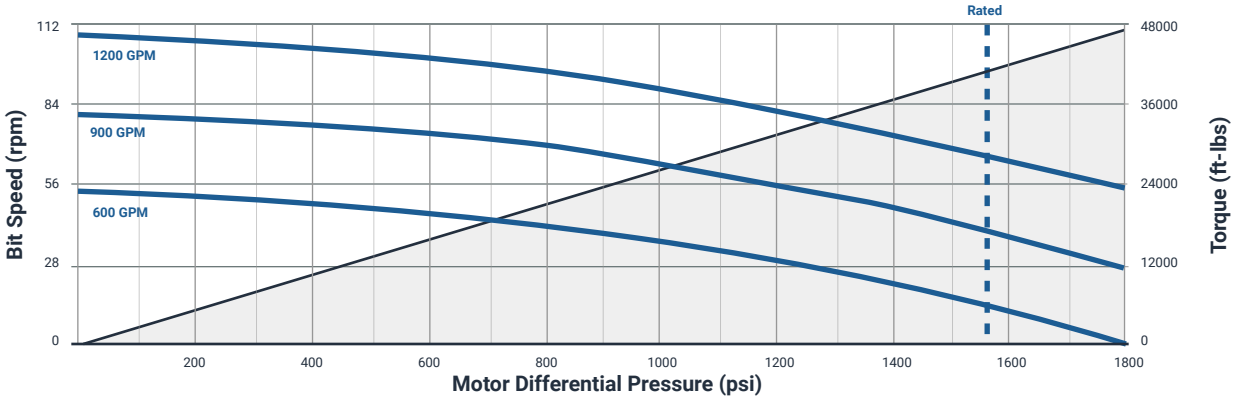
FlexStar®

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.*