

POWER SECTION

Model No: AT962563.0

Revised: 8/8/2022

Rotor Specifications	
	inches
Overall Length	167.00
Contour Length	158.60
Major Diameter	6.236
Eccentricity	0.448
Head diameter	5.500
Thread Form	2.125-6 SA
Weight	1102 lbs
Material	17-4 PH ¹

Stator Specifications	
	inches
Overall Length	178.00
Tube OD	9.63
Tube ID	7.88
Rubber Cutback Top/End	10.00 / 10.00
Weight	1381 lbs
Number of Stages	3.0
Tube Material	4140/4142 Alloy Steel
Rubber Options	NBR-HPW & NBR-HPO

NBR-HPW (in)		Fits (+ Compression / - Loose)				
Size	Minor ²	75 °F	125 °F	175 °F	250 °F	300 °F ³
.5 US						
STD	5.327	0.013	0.039	0.064	0.102	0.128
.5 OS						
1.0 OS						
1.5 OS						
2.0 OS						
2.5 OS						

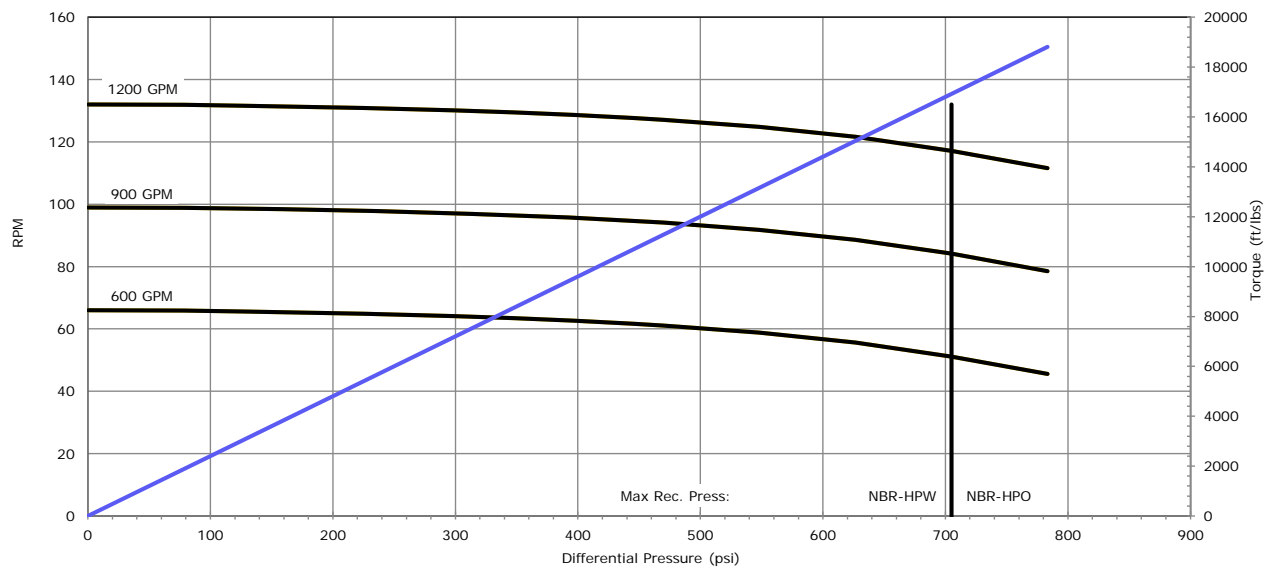
NBR-HPO (in)		Fits (+ Compression / - Loose)				
Size	Minor ²	75 °F	125 °F	175 °F	250 °F	300 °F ³
.5 US						
STD	5.327	0.013	0.039	0.064	0.102	0.128
.5 OS						
1.0 OS						
1.5 OS						
2.0 OS						
2.5 OS						

Performance Specifications	
Flow Range (gpm)	600 - 1200
Speed Range (rpm)	70 - 130
Torque Slope (ft-lb/psi)	24.01
Rotation (rev/gal)	0.110
Off Bottom Pressure (psi)	110

Performance Details		
	NBR-HPW	NBR-HPO
Max Diff Press (psi)	710	710
Stall Diff Press (psi)	1120	1120
Max Torque (ft-lb)	16930	16930
Stall Torque (ft-lb)	26670	26670

■ (NBR-HPW/HPO)

■ Torque



¹ Coating options of chrome or tungsten carbide are available ² Vector Gauge Readings at Room Temp 75°F ³ BHCT Exceeding 320°F will void warranty for NBR-HPW/HPO.

Performance curves are based on new rotor and stator dimensions and for reference only. Actual performance may vary depending on fit and drilling conditions. The stall torque may exceed that specified for the connected components. Operating over the recommended limits may result in damage to the power section and connected components. Please visit www.AbacoDrilling.com for the latest specification revisions.

LOCATIONS

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US: Sales & Distribution
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