

## POWER SECTION

**Model No: AT962566.0**

Revised: 11/17/2022

Rotor Specifications	
	inches
Overall Length	257.38
Contour Length	247.38
Major Diameter	6.006
Eccentricity	0.453
Head diameter	5.000
Thread Form	2.125-6 SA
Weight	1400 lbs
Material	17-4 PH <sup>1</sup>

Stator Specifications	
	inches
Overall Length	272.38
Tube OD	9.63
Tube ID	7.88
Rubber Cutback Top/End	15.00 / 15.00
Weight	2146 lbs
Number of Stages	6.0
Tube Material	4140/4142 Alloy Steel
Rubber Options	NBR-HPW & NBR-HPO

NBR-HPW (in)		Fits (+ Compression / - Loose)				
Size	Minor <sup>2</sup>	75 °F	125 °F	175 °F	250 °F	300 °F <sup>3</sup>
.5 US						
STD	5.081	0.019	0.047	0.075	0.117	0.145
.5 OS						
1.0 OS						
1.5 OS						
2.0 OS						
2.5 OS						

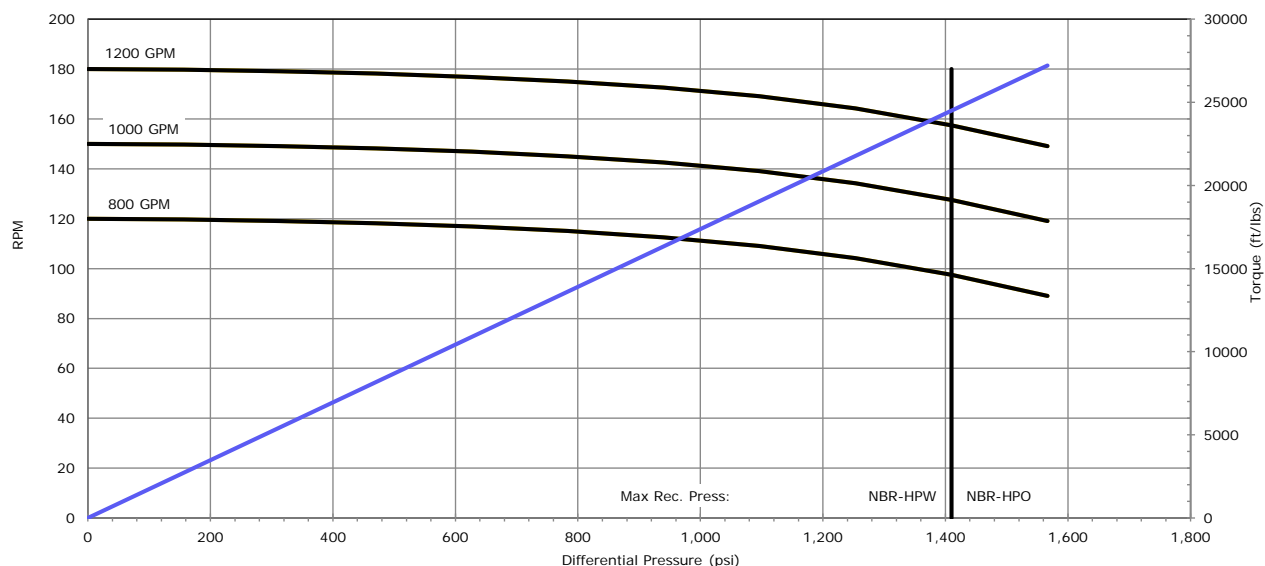
NBR-HPO (in)		Fits (+ Compression / - Loose)				
Size	Minor <sup>2</sup>	75 °F	125 °F	175 °F	250 °F	300 °F <sup>3</sup>
.5 US						
STD	5.081	0.019	0.047	0.075	0.117	0.145
.5 OS						
1.0 OS						
1.5 OS						
2.0 OS						
2.5 OS						

Performance Specifications	
Flow Range (gpm)	800 - 1200
Speed Range (rpm)	120 - 180
Torque Slope (ft-lb/psi)	17.37
Rotation (rev/gal)	0.150
Off Bottom Pressure (psi)	180

Performance Details		
	NBR-HPW	NBR-HPO
Max Diff Press (psi)	1410	1410
Stall Diff Press (psi)	2230	2230
Max Torque (ft-lb)	24500	24500
Stall Torque (ft-lb)	38580	38580

■ (NBR-HPW/HPO)

■ Torque



<sup>1</sup> Coating options of chrome or tungsten carbide are available <sup>2</sup> Vector Gauge Readings at Room Temp 75°F <sup>3</sup> 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](http://www.AbacoDrilling.com) for the latest specification revisions.

### LOCATIONS

US: Headquarters  
US: Sales & Distribution  
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DUBAI UAE: Stator Manufacturing

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