

POWER SECTION

Model No: AT287783.7

Revised: 10/12/2022

Rotor Specifications	
	inches
Overall Length	92.00
Contour Length	88.00
Major Diameter	1.858
Eccentricity	0.109
Head diameter	1.750
Thread Form	N/A
Weight	56 lbs
Material	17-4 PH ¹

Stator Specifications	
	inches
Overall Length	97.00
Tube OD	2.88
Tube ID	2.38
Rubber Cutback Top/End	5.00 / 5.00
Weight	66 lbs
Number of Stages	3.7
Tube Material	4140/4142 Alloy Steel
Rubber Options	NBR-HPX/HPW & NBR-HPO

VBR-HPX/HPW (in)		Fits (+ Compression / - Loose)				
Size	Minor ²	75 °F	125 °F	175 °F	250 °F	300 °F ³
.5 US						
STD	1.646	-0.005	0.000	0.004	0.011	0.016
.5 OS						
1.0 OS						
1.5 OS						
2.0 OS						
2.5 OS						

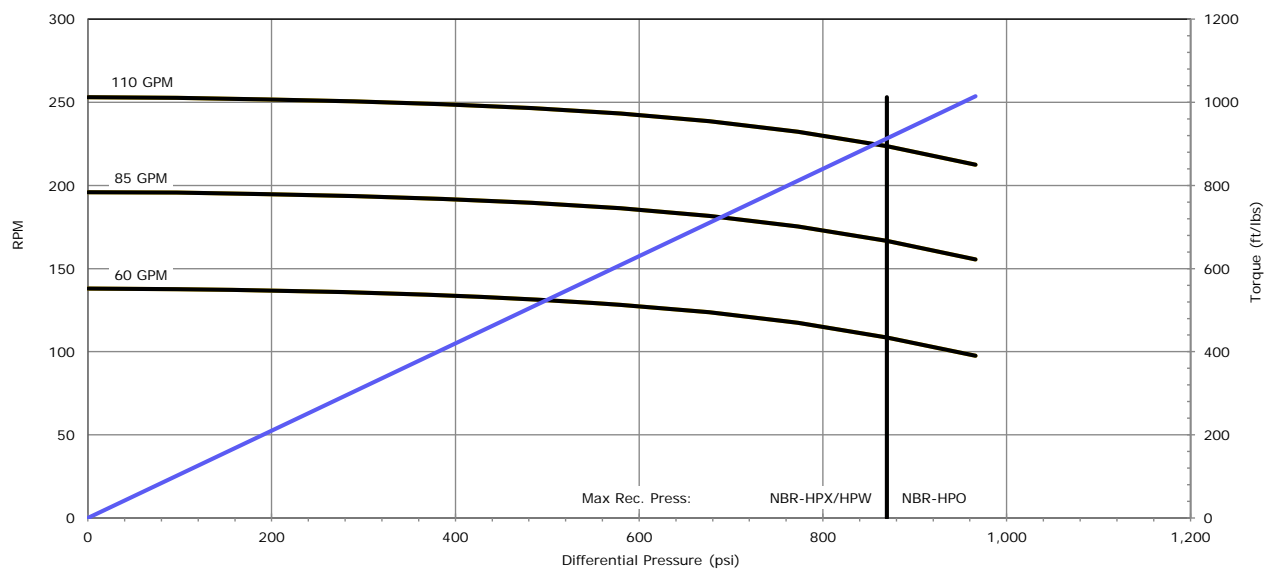
NBR-HPO (in)		Fits (+ Compression / - Loose)				
Size	Minor ²	75 °F	125 °F	175 °F	250 °F	300 °F ³
.5 US						
STD	1.646	-0.005	0.000	0.004	0.011	0.016
.5 OS						
1.0 OS						
1.5 OS						
2.0 OS						
2.5 OS						

Performance Specifications	
Flow Range (gpm)	60 - 110
Speed Range (rpm)	140 - 250
Torque Slope (ft-lb/psi)	1.05
Rotation (rev/gal)	2.300
Off Bottom Pressure (psi)	50

Performance Details		
	NBR-HPX/HPW	NBR-HPO
Max Diff Press (psi)	870	870
Stall Diff Press (psi)	1370	1370
Max Torque (ft-lb)	920	920
Stall Torque (ft-lb)	1440	1440

■ (NBR-HPX/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-HPX/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

US: Headquarters
US: Sales & Distribution
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