

POWER SECTION

Model No: AT375782.3

Revised: 8/10/2022

Rotor Specifications	
	inches
Overall Length	129.00
Contour Length	124.00
Major Diameter	2.252
Eccentricity	0.127
Head diameter	1.880
Thread Form	N/A
Weight	113 lbs
Material	17-4 PH ¹

Stator Specifications	
	inches
Overall Length	141.00
Tube OD	3.75
Tube ID	3.00
Rubber Cutback Top/End	6.00 / 6.00
Weight	170 lbs
Number of Stages	2.3
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	2.001	-0.003	0.005	0.014	0.027	0.035
.5 OS						
1.0 OS						
1.5 OS						
2.0 OS						
2.5 OS						

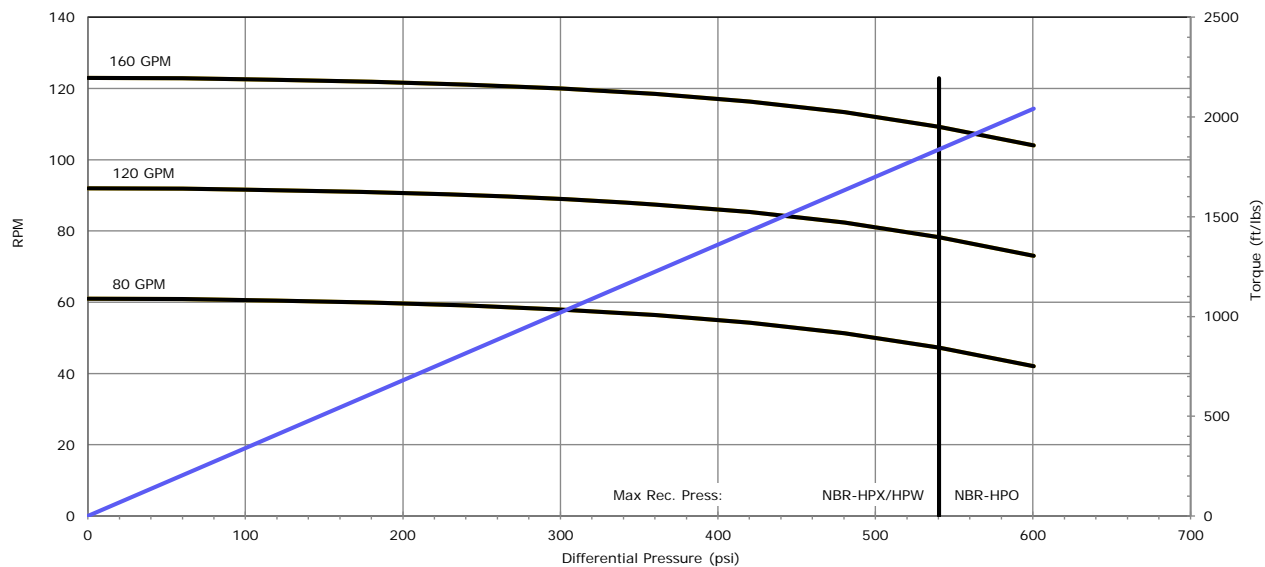
NBR-HPO (in)		Fits (+ Compression / - Loose)				
Size	Minor ²	75 °F	125 °F	175 °F	250 °F	300 °F ³
.5 US						
STD	2.001	-0.003	0.005	0.014	0.027	0.035
.5 OS						
1.0 OS						
1.5 OS						
2.0 OS						
2.5 OS						

Performance Specifications	
Flow Range (gpm)	80 - 160
Speed Range (rpm)	60 - 120
Torque Slope (ft-lb/psi)	3.40
Rotation (rev/gal)	0.768
Off Bottom Pressure (psi)	40

Performance Details		
	NBR-HPX/HPW	NBR-HPO
Max Diff Press (psi)	550	550
Stall Diff Press (psi)	860	860
Max Torque (ft-lb)	1840	1840
Stall Torque (ft-lb)	2900	2900

■ (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
CANADA: Stator Manufacturing
DUBAI UAE: Stator Manufacturing

713 Northpark Central Dr., #400 Houston, TX 77073 - Tel: (281) 869-0700 - Fax: (281) 869-0701
11308 West Interstate 20 East, Odessa, TX 79765 - Tel: (432) 248-1814
6303-39th Street Leduc, Alberta T9E 0Z3 Canada - Tel: (780) 986-8947 - Fax: (780) 986-8842
Oilfields Supply Center B#57, Jebel Ali, Dubai UAE, P.O. Box 19909 - Tel: 971-4-870-8600