



713 Northpark Central Dr., #400, Houston, TX 77073  
 Tel: (281) 869-0700 Fax: (281) 869-0701  
[www.basintek.com](http://www.basintek.com)

**POWER SECTION**

**Model No: BT312563.5**

Revised: 8/4/2016

Rotor Specifications	
	inches
Overall Length	86.00
Contour Length	82.00
Major Diameter	2.174
Eccentricity	0.156
Head diameter	2.175
Thread Form	N/A
Weight	69 lbs
Material	17-4 PH <sup>1</sup>

Stator Specifications	
	inches
Overall Length	88.00
Tube OD	3.13
Tube ID	2.63
Rubber Cutback Top/End	4.00 / 4.00
Weight	65 lbs
Number of Stages	3.5
Tube Material	4140/4142 Alloy Steel
Rubber Options	NBR & NBR-HPX

Size	NBR (in) Fits (+ Compression / - Loose)					
	Minor <sup>2</sup>	75 °F	125 °F	175 °F	250 °F	300 °F <sup>3</sup>
STD	1.870	-0.007	0.000	0.007	0.018	0.025
.5 OS						
1.0 OS	1.881	-0.018	-0.011	-0.004	0.007	0.014
1.5 OS						
2.0 OS						

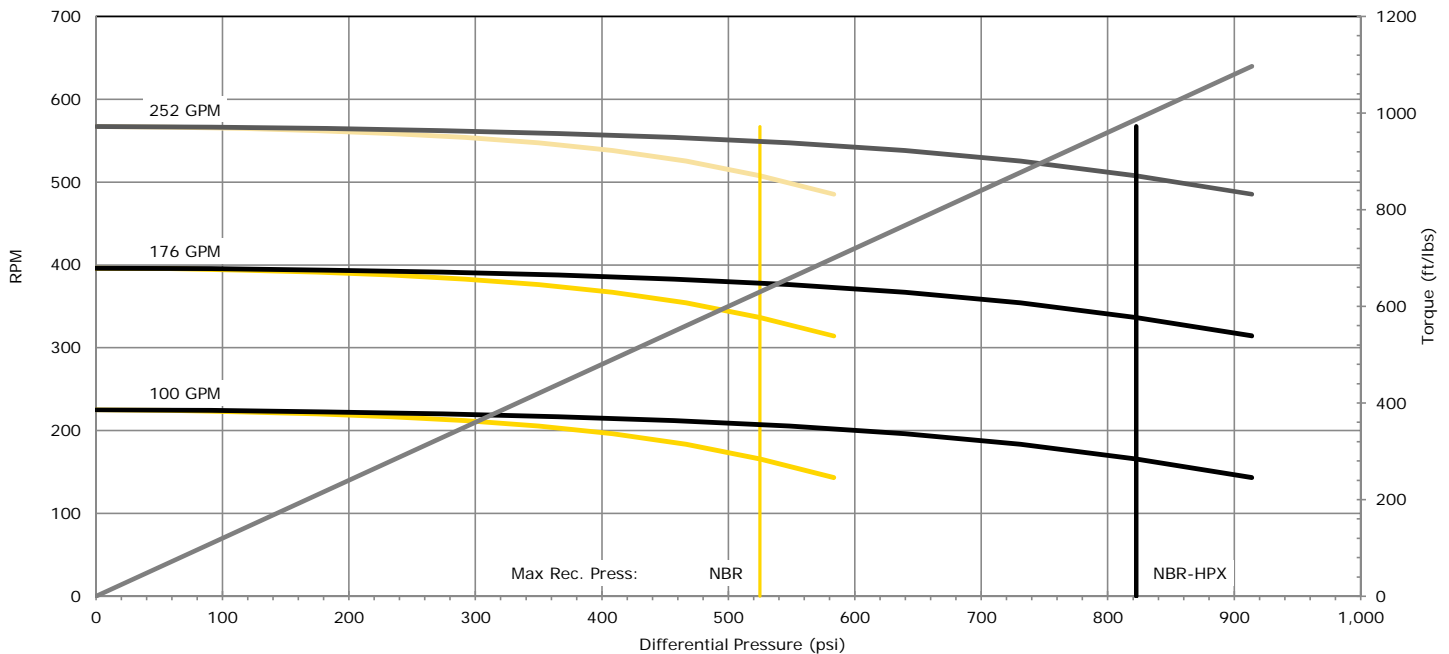
Size	NBR-HPX (in) Fits (+ Compression / - Loose)					
	Minor <sup>2</sup>	75 °F	125 °F	175 °F	250 °F	300 °F <sup>3</sup>
STD	1.868	-0.005	0.002	0.009	0.020	0.027
.5 OS						
1.0 OS	1.879	-0.016	-0.009	-0.002	0.009	0.016
1.5 OS						
2.0 OS						

Performance Specifications	
Flow Range (gpm)	100 - 252
Speed Range (rpm)	230 - 570
Torque Slope (ft-lb/psi)	1.20
Rotation (rev/gal)	2.250
Off Bottom Pressure (psi)	100

	Performance Details	
	NBR	NBR-HPX
Max Diff Press (psi)	530	830
Stall Diff Press (psi)	790	1300
Max Torque (ft-lb)	630	990
Stall Torque (ft-lb)	950	1560

■ (NBR) ■ (NBR-HPX) ■ Torque

\*This spec shows power section operation of 252 GPM. However, BASINTEK's design constraints only allow a maximum of 210 GPM.



<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 275°F will void warranty for NBR (320°F for HPX)

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 [basintek.com](http://basintek.com) for the latest specification revisions.