

POWER SECTION - METRIC

Model No: AT675783.3 HTS

Revised: 12/2/2020

Rotor Specifications	
	mm
Overall Length	6057.9
Contour Length	5880.1
Major Diameter	114.30
Eccentricity	6.48
Head diameter	101.60
Thread Form	2.875 API REG
Weight	398 kg
Material	17-4 PH ¹

Stator Specifications	
	mm
Overall Length	6223.0
Tube OD	171.5
Tube ID	139.7
Rubber Cutback Top/End	203.0 / 203.0
Weight	416 kg
Number of Stages	3.3
Tube Material	4140/4142 Seamless Alloy Steel
Rubber Options	HNBR-HPT

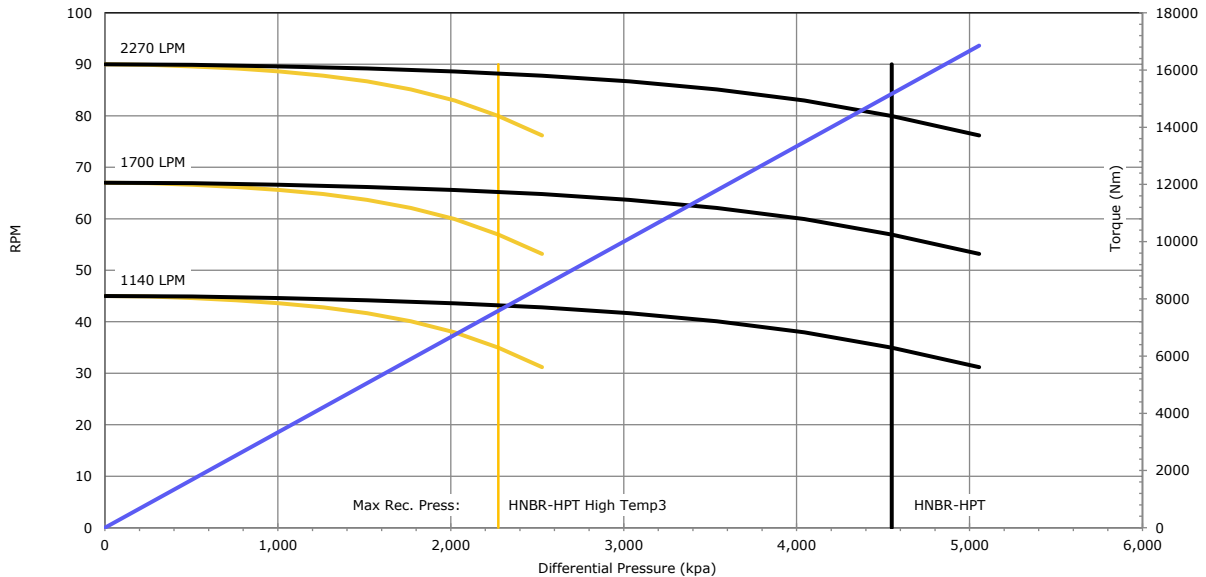
HNBR-HPT High Temp ³ (in)		Fits (+ Compression / - Loose)				
Size	Minor ²	25 °C	75 °C	100 °C	125 °C	150 °C ³
.5 US	101.35	0.00	0.68	1.03	1.37	1.71
STD	101.60	-0.25	0.42	0.76	1.10	1.44
.5 OS	101.88	-0.53	0.14	0.48	0.81	1.15
1.0 OS	102.13	-0.79	-0.12	0.22	0.55	0.89
1.5 OS	102.39	-1.04	-0.38	-0.04	0.29	0.62
2.0 OS						
2.5 OS						

HNBR-HPT (mm)		Fits (+ Compression / - Loose)				
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.5 US	101.35	0.00	0.68	1.03	1.37	1.71
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.5 OS	101.88	-0.53	0.14	0.48	0.81	1.15
1.0 OS	102.13	-0.79	-0.12	0.22	0.55	0.89
1.5 OS	102.39	-1.04	-0.38	-0.04	0.29	0.62
2.0 OS						
2.5 OS						

Performance Specifications	
Flow Range (lpm)	1140 - 2270
Speed Range (rpm)	50 - 90
Torque Slope (Nm/kpa)	3.33
Rotation (rev/Liter)	0.0396
Off Bottom Pressure (kpa)	460

Performance Details		
	HNBR-HPT High Temp ³	HNBR-HPT
Max Diff Press (kpa)	2300	4600
Stall Diff Press (kpa)	3400	7200
Max Torque (Nm)	7600	15200
Stall Torque (Nm)	11400	23900

■ (HNBR-HPT High Temp³) ■ (HNBR-HPT) ■ Torque



¹ Coating options of chrome or tungsten carbide are available. ² Vector Gauge Readings at Room Temp 25°C. ³ HPT High Temp parameters are recommended when BHCT exceeds 150°C. BHCT exceeding 220°C will void warranty. It is recommended to run stator for no more than 15 hours at BHCT above 190°C.

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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