

## **HEX MOTOR**

## 963HT-ML 7/8 Lobe 3.9 Stage TECHNICAL SPECIFICATIONS

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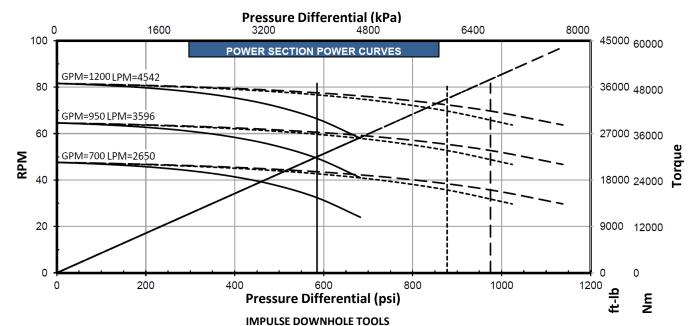
Motor Dimensions					
Bit to Bend	A	72 in	1.83 m		
Bit to Top Sub	В	460 in	11.68 m		
Radius @ Pad	С	5.17 in	131 mm		
Straight/Slick Motor OD		9.63 in	245 mm		
Top Connection Options		6-5/8 Reg			
Bottom Connection	6-5/8 Reg   7-5/8 Reg				

Predicted Build Rates Degrees/100ft (30m)					
	Slick Hole Size				
FBH	12.25 (311 mm)	17.50 (444 mm)			
Deg	· · ·				
1.50°	7.25°	5.08°			
1.75°	8.46°	5.93°			
2.00°	9.67°	6.77°			
2.12°	10.3°	7.18°			

	NBR-HPW				
Max Differential Pressure	e 920 psi	6,400 kPa			
Max Torque	35,250 Ft-Lb	47,800 Nm			
Stall Torque	55,520 Ft-Lb	75,300 Nm			
Stall Differential Pressure	<b>e</b> 1,540 psi	10,000 kPa			
Performance Specifications					
Speed Ratio	0.070 Rev/Gal (	0.0185 Rev/Litre)			
Speed Range	50 to 80 RPM				
Flow Range	700 to 1200 GPM	(2650 to 4550 Lpm)			
Bearing Load (Dynamic)	168,575 Lbs	74,985 daN			
Bearing Load (Static)	952,745 Lbs	423,802 daN			
Max Overpull	1,231,723 Lbs	547,897 daN			
Max Overpull for Re-Run	862,205 Lbs	383,527 daN			

**Performance Details** 

Special Features					
Torsional Capacity					
Hex Drive ™ (Drive Line)	80,000 Ft-Lbs	108,466 Nm			
IDS HT Body Connections	166,600 Ft-Lbs	225,879 Nm			



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