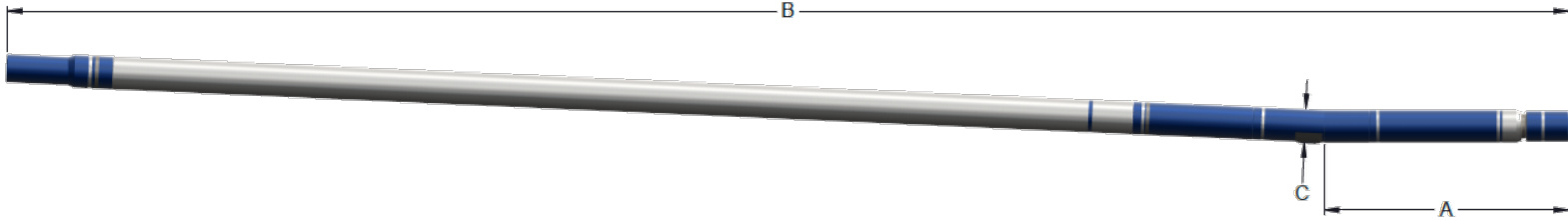


HEX MOTOR

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



Motor Dimensions

Bit to Bend	A	72 in	1.83 m
Bit to Top Sub	B	460 in	11.68 m
Radius @ Pad	C	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	

Performance Details

NBR-HPW			
Max Differential Pressure	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	1,540 psi	10,000 kPa	

Performance Specifications

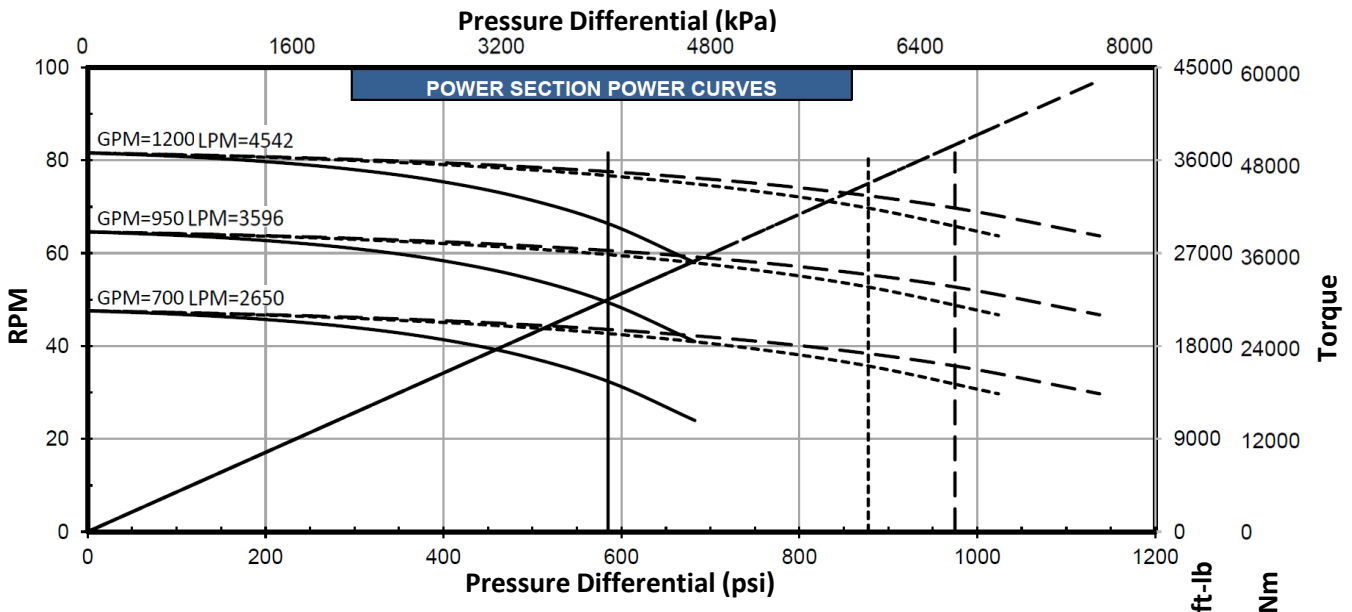
Speed Ratio	0.070 Rev/Gal	(0.0185 Rev/Litre)	
Speed Range	50 to 80 RPM		
Flow Range	700 to 1200 GPM	(2650 to 4550 Lpm)	
Bearing Load (Dynamic)	168,575 Lbs	74,985 daN	
Bearing Load (Static)	952,745 Lbs	423,802 daN	
Max Overpull	1,231,723 Lbs	547,897 daN	
Max Overpull for Re-Run	862,205 Lbs	383,527 daN	

Predicted Build Rates Degrees/100ft (30m)

FBH Deg	Slick Hole Size	
	12.25 (311 mm)	17.50 (444 mm)
1.50°	7.25°	5.08°
1.75°	8.46°	5.93°
2.00°	9.67°	6.77°
2.12°	10.3°	7.18°

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



IMPULSE DOWNHOLE TOOLS