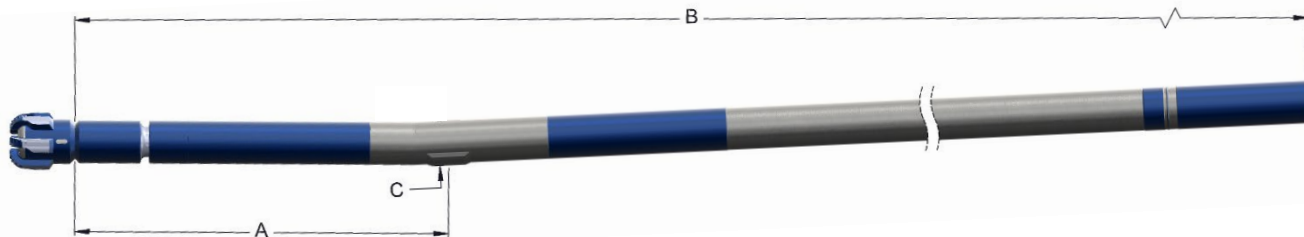


# HEX MOTOR™

## 725HT-ML 6/7 Lobe 12.1 Stage TECHNICAL SPECIFICATIONS



**Motor Dimensions**

Bit to Bend	A	50.9 in	1.29 m
Bit to Top Sub	B	415 in	10.5 m
Radius @ Pad	C	3.91 in	99 mm
Straight/Slick Motor OD		7.25 in	184 mm
Top Connection Options		NC46, NC50	
Bottom Connection		4.5 Reg	

**Performance Details**

NBR-HR		
Max Differential Pressure	2,720 psi	18,754 kPa
Max Torque	17,530 Ft-Lb	23,771 Nm
Stall Torque	26,300 Ft-Lb	35,663 Nm
Stall Differential Pressure	4,080 psi	28,131 kPa
Max Recommended	911 HP	680 kW

**Performance Specifications**

Speed Ratio	0.400 Rev/Gal	(0.106 Rev/Litre)
Speed Range	100 to 300 RPM	
Flow Range	300 to 800 GPM	(946 to 2839 Lpm)
Bearing Load (Dynamic)	96,200 Lbs	42,792 daN
Bearing Load (Static)	451,120 Lbs	200,668 daN
Max Overpull	855,000 Lbs	380,323 daN
Max Overpull for Re-Run	595,000 Lbs	264,669 daN

**Predicted Build Rates Degrees/100ft (30m)**

FBH	Slick Hole Size	
	8.5 (216 mm)	8.75 (222 mm)
Deg		
1.50°	11.3	10.9
1.75°	13.1	12.8
2.00°	15.0	14.6
2.12°	15.9	15.5

**Special Features**

Torsional Capacity		
Hex Drive™ (Drive Line)	50,100 Ft-Lbs	67,927 Nm
IDS HT Body Connections	71,900 Ft-Lbs	97,483 Nm

