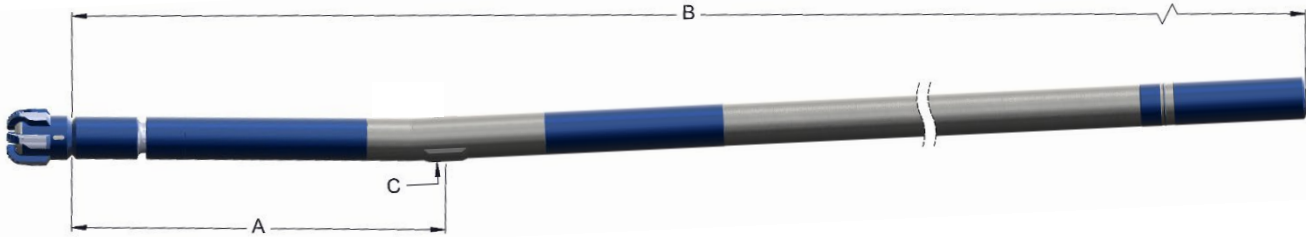


# HEX MOTOR®

## 725HT-ML 7/8 Lobe 8.5 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
Diameter @ Pad		7.53 in	191mm
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	2,000 psi	13,800 kPa
Max Torque	19,540 Ft-Lb	26,500 Nm
Stall Torque	30,770 Ft-Lb	41,800 Nm
Stall Differential Pressure	3,150 psi	21,700 kPa

**Performance Specifications**

Speed Ratio	0.260 Rev/Gal	(0.0687 Rev/Liter)
Speed Range	100 to 200 rpm	
Flow Range	400 to 750 GPM	(1520 to 2840 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		
1.15°	8.3	8.1
1.50°	10.8	10.5
1.75°	12.6	12.3
2.00°	14.4	14.0
2.12°	15.3	14.9

**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

