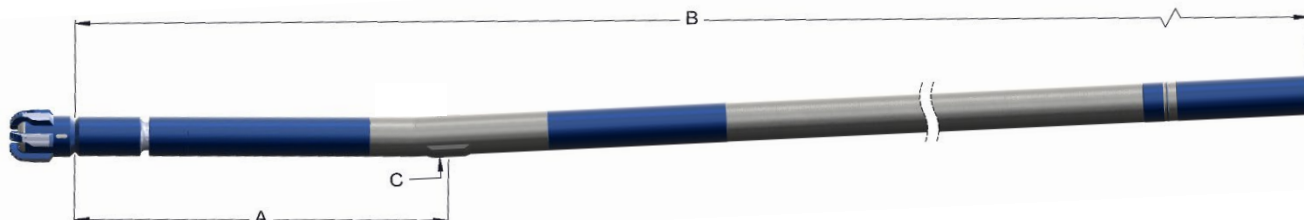


HEX MOTOR®

725HT-ML

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		

Predicted Build Rates Degrees/100ft (30m)

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

Available Power Section Models

	6/7 12.1	78 8.5
Max Diff. Pressure	18,754 kPa [2,720 psi]	13,800 kPa [2,000 psi]
Max Torque	23,771 Nm [17,530 Ft-Lb]	26,500 Nm [19,540 Ft-Lb]
Stall Torque	35,663 Nm [26,300 Ft-Lb]	41,800 Nm [30,770 Ft-Lb]
RPM	100 – 300	100 – 180
Speed Ratio	0.106 Rev/L [0.400 Rev/Gal]	0.0634 Rev/L [0.240 Rev/Gal]
Flow Range	946 – 2839 lpm [250 – 750 gpm]	1520 – 2840 lpm [400 – 750 gpm]

Performance Specifications

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

Special Features

Torsional Capacity		
Hex Motor Driveline	50,100 Ft-Lbs	67,927 Nm
IDS HT Body Connections	71,900 Ft-Lbs	97,483 Nm