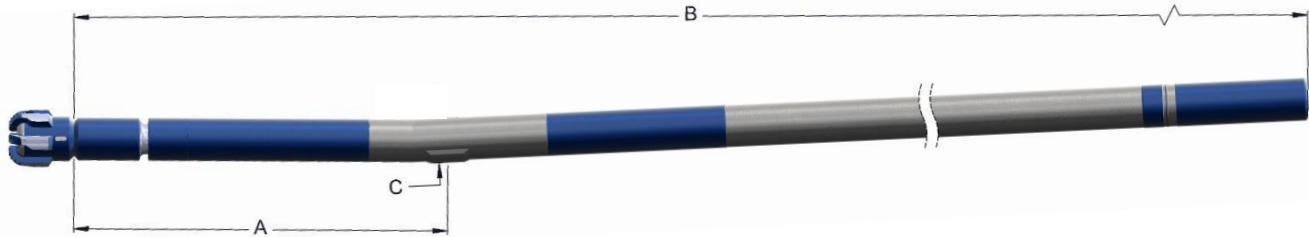


# HEX MOTOR

## 525HT-ML 7/8 Lobe 8.3 Stage TECHNICAL SPECIFICATIONS



**Motor Dimensions**

<b>Bit to Bend</b>	A	46 in (1.17 m)
<b>Bit to Top Sub</b>	B	374 in (9.50 m)
<b>Radius @ Pad</b>	C	2.78 in (71 mm)
	C-1	2.88 in (73mm)
<b>Straight/Slick Motor OD</b>		5.25 in (133 mm)
<b>Top Connection Options</b>		DS38, DS40, XT39
<b>Bottom Connection</b>		3.5 Reg

**Performance Details**

NBR-HPW/HPO	
<b>Max Diff Press psi (kPa)</b>	1,960 (13,500)
<b>Max Torque Ft-lb (Nm)</b>	9,370 (12,700)
<b>Stall Torque Ft-lb (Nm)</b>	14,750 (20,000)
<b>Stall Diff Press psi (kPa)</b>	3,080 (21,200)

**Performance Specifications**

<b>Speed Ratio</b>	0.480 Rev/Gal (0.127 Rev/Litre)
<b>Speed Range</b>	100 to 190 RPM
<b>Flow Range</b>	200 to 400 GPM (760 to 1520 LPM)
<b>Bearing Load (Dynamic)</b>	49,800 Lbs 22,120 daN
<b>Bearing Load (Static)</b>	226,240 Lbs 100,600 daN
<b>Max Overpull</b>	447,000 Lbs 198,800 daN
<b>Max Overpull for Re-Run</b>	313,000 Lbs 139,200 daN

**Special Features**

**Torsional Capacity**

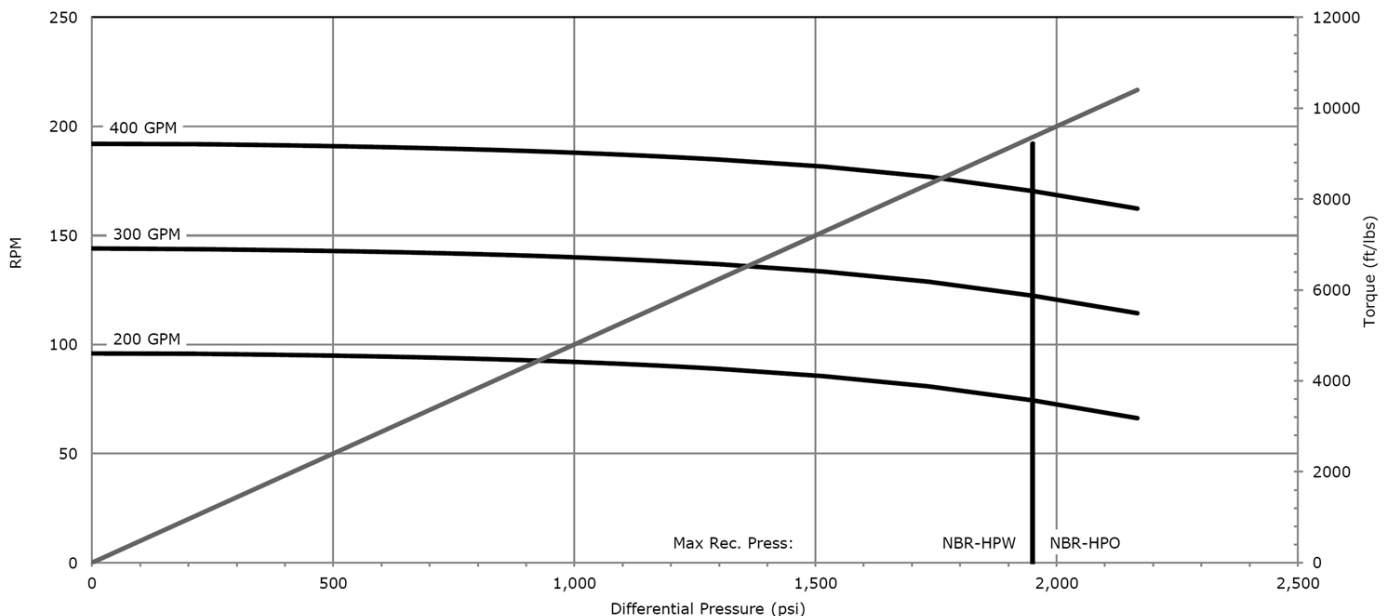
<b>Hex Drive™ (Drive Line Assembly)</b>	16,200 Ft-lb (22000Nm)
<b>IDS High Torque Body Connections</b>	35,300 Ft-lb (47800Nm)

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

**Slick Hole Size**

FBH	Slick Hole Size			
	C	C	C-1	C-1
Deg	6 (152 mm)	6.125 (156 mm)	6.25 (159 mm)	6.75 (171 mm)
1.50°	12.5	12.2	11.9	11.5
1.75°	14.6	14.2	13.9	13.4
2.00°	16.7	16.2	15.9	15.32

■ (NBR-HPW/HPO) ■ Torque



**IMPULSE DOWNHOLE TOOLS**

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