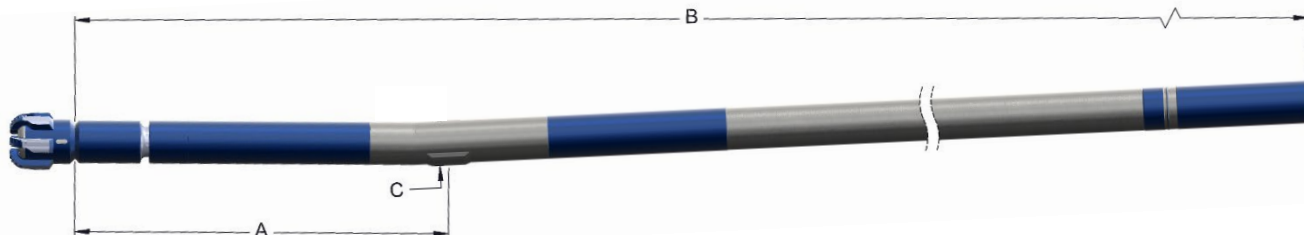


# HEX MOTOR®

## 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<br>(216 mm) | 8.75<br>(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 |

