

6-1/2"**9:10 Lobe****3.7 Stage****Motor Specifications**

| | | |
|--------------------------------------|---------------------------------|-----------------|
| Flow Rate | 200 - 500 gpm | 757 - 1,893 lpm |
| Rev. Per Gallon | 0.18 | |
| Bit Speed | 36 - 90 rpm | |
| Maximum Power | 91 hp | 128.3 kW |
| Maximum Torque | 22,512 lb-ft | 14,982 N-m |
| Maximum Torque at Full Load | 6,650 lb-ft | 11,660 N-m |
| Diff. Pressure at Max. Torque | 1,500 psi | 4,137 kPa |
| Diff. Pressure at Full Load | 425 psi | 3,103 kPa |
| Maximum Bit Pressure Drop | 1,500 psi | 10,300 kPa |
| Maximum Weight on Bit | 50,000 lbs | 222 kN |
| Maximum Pull to Re-Run Motor | 200,000 lbs | 890 kN |
| Pull to Yield Motor | 600,000 lbs | 2,669 kN |
| Bit to Bend | 76 in | 1,930 mm |
| Length | 26.3 ft | 8.00 m |
| Weight | 1,750 lbs | 794 Kg |
| Top Connection (Box) | 4-1/2 Reg / 4-1/2 IF / 4-1/2 XH | |
| Bit Connection (Box) | 4-1/2 Reg | |

Predicted ABH Build Rate – Degrees / 100 ft (30m)

| Bend Angle | Slick Assembly Hole Size | | | Single Stabilizer Hole Size | | |
|------------|--------------------------|--------|--------|-----------------------------|--------|--------|
| | 7-7/8" | 8-1/2" | 8-3/4" | 7-7/8" | 8-1/2" | 8-3/4" |
| 0.31 | 0.00 | 0.00 | 0.00 | 1.90 | 2.29 | 2.44 |
| 0.62 | 0.19 | 0.00 | 0.00 | 3.78 | 4.16 | 4.32 |
| 0.93 | 2.29 | 0.52 | 0.00 | 5.66 | 6.04 | 6.20 |
| 1.22 | 4.26 | 2.48 | 1.78 | 7.42 | 7.80 | 7.95 |
| 1.50 | 6.16 | 4.38 | 3.86 | 9.12 | 9.50 | 9.65 |
| 1.76 | 7.93 | 6.14 | 5.44 | 10.70 | 11.07 | 11.22 |
| 2.00 | 9.56 | 7.77 | 7.07 | 12.16 | 12.53 | 12.68 |
| 2.23 | 11.22 | 9.33 | 8.62 | 13.55 | 13.92 | 14.07 |
| 2.42 | 12.41 | 10.62 | 9.91 | 14.71 | 15.07 | 15.22 |
| 2.60 | 13.63 | 11.84 | 11.13 | 15.80 | 16.17 | 16.31 |
| 2.74 | 14.58 | 12.78 | 12.08 | 16.65 | 17.01 | 17.16 |
| 2.85 | 15.33 | 13.53 | 12.82 | 17.32 | 17.68 | 17.83 |
| 2.93 | 15.87 | 14.07 | 13.36 | 17.80 | 18.17 | 18.31 |
| 2.98 | 16.21 | 14.41 | 13.70 | 18.11 | 18.47 | 18.61 |
| 3.00 | 16.34 | 14.55 | 13.84 | 18.23 | 18.59 | 18.73 |

TORQUE (FT-LBS)

