

6-3/4"**7:8 Lobe****5 Stage****Motor Specifications**

| | | |
|--------------------------------------|---------------------------------|-------------------|
| Flow Rate | 300 - 600 gpm | 1,136 - 2,271 lpm |
| Rev. Per Gallon | | 0.28 |
| Bit Speed | 84 - 168 rpm | |
| Maximum Power | 296 hp | 220.7 kW |
| Maximum Torque | 11,303 lb-ft | 15,592 N-m |
| Maximum Torque at Full Load | 22,606 lb-ft | 12,135 N-m |
| Diff. Pressure at Max. Torque | 1,250 psi | 8,274 kPa |
| Diff. Pressure at Full Load | 840 psi | 5,792 kPa |
| Maximum Bit Pressure Drop | 1,500 psi | 10,300 kPa |
| Maximum Weight on Bit | 75,000 lbs | 333 kN |
| Maximum Pull to Re-Run Motor | 225,000 lbs | 1,000 kN |
| Pull to Yield Motor | 650,000 lbs | 2,891 kN |
| Bit to Bend | 76 in | 1,930 mm |
| Length | 28.8 ft | 8.67 m |
| Weight | 2,850 lbs | 1,256 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 | | |
|------------|--------------------------|--------|--------|-----------------------------|--------|--------|
| | 8-1/2" | 8-3/4" | 9-7/8" | 8-1/2" | 8-3/4" | 9-7/8" |
| 0.31 | 0.00 | 0.00 | 0.00 | 1.83 | 1.96 | 2.53 |
| 0.62 | 0.40 | 0.30 | 0.00 | 3.47 | 3.60 | 4.17 |
| 0.93 | 2.70 | 2.10 | 0.70 | 5.11 | 5.24 | 5.81 |
| 1.22 | 4.90 | 4.20 | 1.50 | 6.64 | 6.77 | 7.34 |
| 1.50 | 7.00 | 6.30 | 3.60 | 8.13 | 8.25 | 8.82 |
| 1.76 | 8.90 | 8.30 | 5.50 | 9.50 | 9.63 | 10.2 |
| 2.00 | 10.70 | 10.10 | 7.30 | 10.77 | 10.90 | 11.47 |
| 2.23 | 12.40 | 11.80 | 9.10 | 11.99 | 12.12 | 12.69 |
| 2.42 | 13.90 | 13.20 | 10.50 | 12.99 | 13.12 | 12.69 |
| 2.60 | 15.20 | 14.60 | 11.80 | 13.95 | 14.07 | 14.65 |
| 2.74 | 16.30 | 15.60 | 12.90 | 14.69 | 14.81 | 15.39 |
| 2.85 | 17.10 | 16.50 | 13.70 | 15.25 | 15.40 | 15.97 |
| 2.93 | 17.70 | 17.10 | 14.30 | 15.69 | 15.82 | 16.39 |
| 2.98 | 18.10 | 17.50 | 14.70 | 15.96 | 16.09 | 16.66 |
| 3.00 | 18.20 | 17.60 | 14.80 | 16.06 | 16.19 | 16.76 |

TORQUE (FT-LBS)

