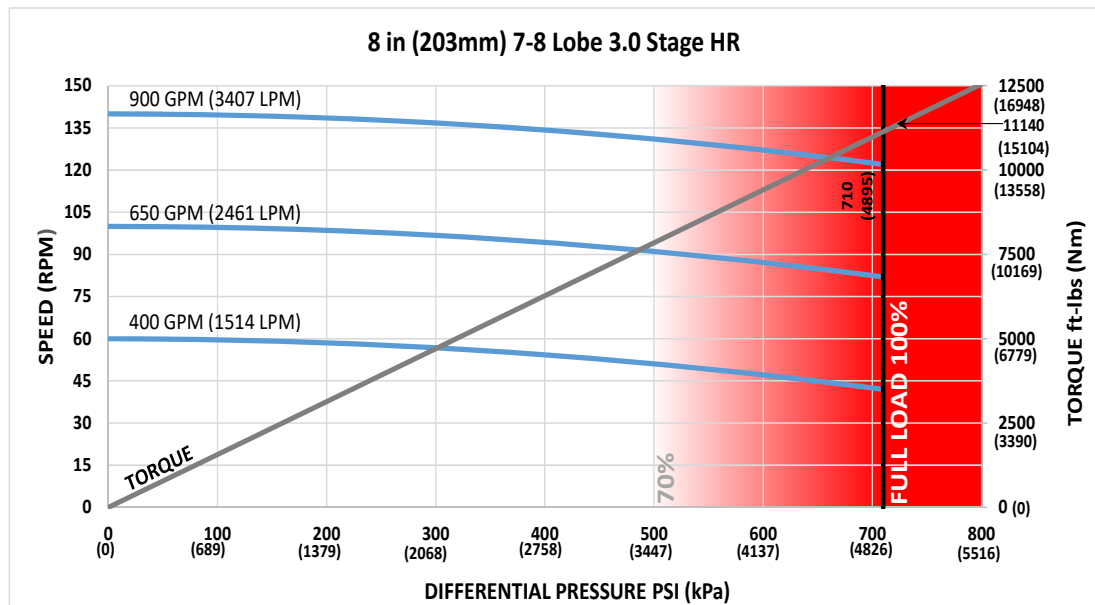




| | | |
|--------------------------------------------|------------------------|-------------------|
| Bit Size Range | 12-1/4 - 17-1/2 in | 311 - 445 mm |
| Bit Box Connection | 6-5/8 or 7-5/8 REGULAR | |
| Dynamic Bearing Load On/Off Bottom | 240975 lbf | 107200 daN |
| Static Bearing Load On/Off Bottom | 852600 lbf | 379300 daN |
| Max. Overpull (For Re-run) | 741100 lbf | 329700 daN |
| Absolute Overpull | 1235100 lbf | 549400 daN |
| Adjustable Makeup Torque | 60000 ft-lbs | 81300 Nm |
| Stab/Thread Protector Makeup Torque | 38000 ft-lbs | 51500 Nm |
| A = Bit to Stablizer (Centre) | 20.2 in | 513 mm |
| B = Bit to Bend | Adjustable | 87.3 in / 2217 mm |
| | Fixed | 72.7 in / 1847 mm |
| C = Overall (With Dump Sub) | 318.7 in | 8095 mm |
| Weight | 4477 lbs | 2031 kg |

| | | |
|--------------------------------------|---------------------|------------|
| Lobe Configuration | 7-8 Lobe 3 Stage HR | |
| Displacement (No Load) | 0.16 rev/gal | 0.04 rev/l |
| Max. Differential (Full Load) | 710 psi | 4895 kPa |
| Max. Torque | 11140 ft-lbs | 15104 Nm |
| Max. Power | 259 HP | 193 kW |

| Flow Rate | | Speed |
|-----------|------|-----------|
| GPM | LPM | RPM |
| 400 | 1514 | 42 - 60 |
| 650 | 2461 | 82 - 100 |
| 900 | 3407 | 122 - 140 |



Possible damage may occur when motor is run higher than 70% of Maximum Differential Pressure.

ADJUSTABLE BUILD RATE

| Hole Size | SLICK | | | | STABILIZED | | | |
|-------------------|----------------------------|------------|------------|----------------|----------------------------|------------|------------|----------------|
| | 12-1/4 (311mm) | 14 (356mm) | 16 (406mm) | 17-1/2 (445mm) | 12-1/4 (311mm) | 14 (356mm) | 16 (406mm) | 17-1/2 (445mm) |
| BEND ANGLE | Degrees per 100 Feet (30m) | | | | Degrees per 100 Feet (30m) | | | |
| 0.39 | 0.6 | - | - | - | 4.9 | 6.4 | 8.2 | - |
| 0.78 | 3.7 | - | - | - | 7.2 | 8.8 | 10.5 | 11.8 |
| 1.15 | 6.7 | 2.7 | - | - | 9.5 | 11.0 | 12.7 | 14.0 |
| 1.50 | 9.5 | 5.6 | 1.1 | - | 11.6 | 13.1 | 14.8 | 16.1 |
| 1.83 | 12.1 | 8.2 | 3.7 | 0.3 | 13.5 | 15.1 | 16.8 | 18.1 |
| 2.12 | 14.5 | 10.5 | 6.0 | 2.7 | 15.3 | 16.8 | 18.5 | 19.9 |
| 2.38 | 16.6 | 12.6 | 8.1 | 4.8 | 16.8 | 18.4 | 20.1 | 21.4 |
| 2.60 | 18.3 | 14.4 | 9.9 | 6.5 | 18.3 | 19.7 | 21.4 | 22.7 |
| 2.77 | 19.7 | 15.8 | 11.3 | 7.9 | 19.7 | 20.7 | 22.4 | 23.7 |
| 2.90 | 20.7 | 16.8 | 12.3 | 9.0 | 20.7 | 21.5 | 23.2 | 24.5 |
| 2.97 | 21.3 | 17.4 | 12.9 | 9.5 | 21.3 | 21.9 | 23.6 | 24.9 |
| 3.00 | 21.5 | 17.6 | 13.1 | 9.8 | 21.5 | 22.1 | 23.8 | 25.1 |

Note: Stabilizers are 1/8" undergauge

FBH BUILD RATE

| Hole Size | SLICK | | | | STABILIZED | | | |
|-------------------|----------------------------|------------|------------|----------------|----------------------------|------------|------------|----------------|
| | 12-1/4 (311mm) | 14 (356mm) | 16 (406mm) | 17-1/2 (445mm) | 12-1/4 (311mm) | 14 (356mm) | 16 (406mm) | 17-1/2 (445mm) |
| BEND ANGLE | Degrees per 100 Feet (30m) | | | | Degrees per 100 Feet (30m) | | | |
| 1.25 | 7.2 | 2.6 | - | - | 10.6 | 12.1 | 13.9 | 15.2 |
| 1.50 | 9.2 | 4.6 | - | - | 12.2 | 13.8 | 15.5 | 16.8 |
| 1.75 | 11.2 | 6.6 | 1.4 | - | 13.8 | 15.4 | 17.1 | 18.4 |
| 2.00 | 13.2 | 8.6 | 3.4 | - | 15.4 | 17.0 | 18.7 | 20.0 |
| 2.25 | 15.2 | 10.7 | 5.4 | 1.5 | 17.0 | 18.6 | 20.3 | 21.6 |
| 2.50 | 17.3 | 12.7 | 7.4 | 3.5 | 18.7 | 20.2 | 21.9 | 23.2 |

This information is for reference only. Build rates are theoretical calculations using three-point geometry and new motor builds. Actual rate predictions will depend on formation characteristics, bit profiles, and WOB.

For custom motor configurations and build rates, please contact your DYNOMAX office.