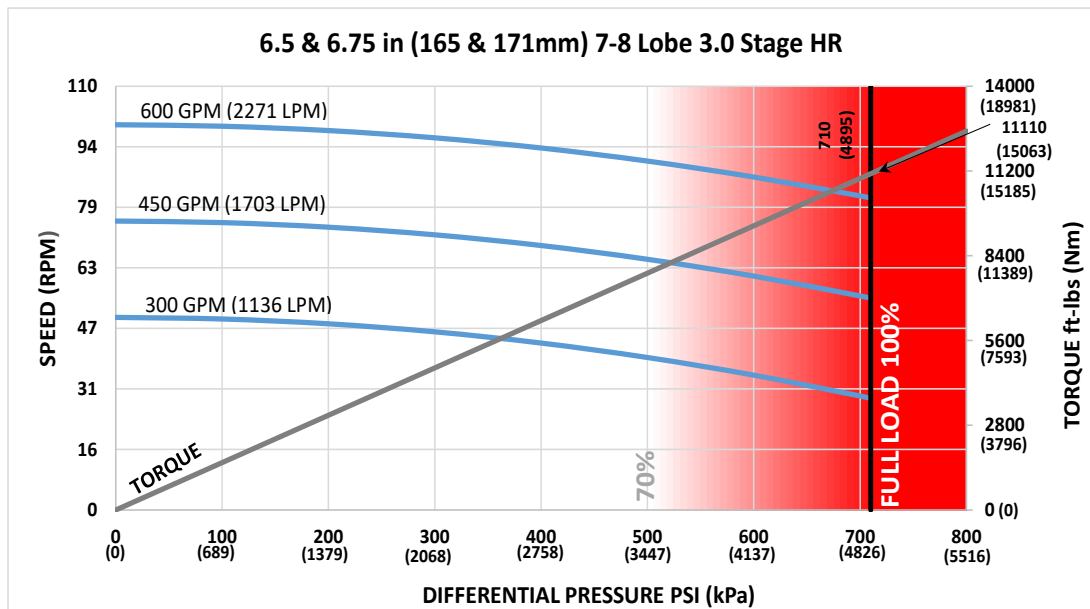


| | | |
|--|------------------|-------------------|
| Bit Size Range | 7-7/8 - 9-7/8 in | 200 - 251 mm |
| Bit Box Connection | 4-1/2 REGULAR | |
| Dynamic Bearing Load On/Off Bottom | 128500 lbf | 57200 daN |
| Static Bearing Load On/Off Bottom | 404500 lbf | 179900 daN |
| Max. Overpull (For Re-run) | 406900 lbf | 181000 daN |
| Absolute Overpull | 678200 lbf | 301700 daN |
| Adjustable Makeup Torque | 25000 ft-lbs | 33900 Nm |
| Stab/Thread Protector Makeup Torque | 12000 ft-lbs | 16300 Nm |
| A = Bit to Stabilizer (Centre) | 16.3 in | 414 mm |
| B = Bit to Bend | Adjustable | 73 in / 1854 mm |
| | Fixed | 61.1 in / 1552 mm |
| C = Overall (With Dump Sub) | 335.1 in | 8512 mm |
| Weight | 2623 lbs | 1190 kg |

| | | |
|--------------------------------------|-----------------------|------------|
| Lobe Configuration | 7-8 Lobe 3.0 Stage HR | |
| Displacement (No Load) | 0.16 rev/gal | 0.04 rev/l |
| Max. Differential (Full Load) | 710 psi | 4895 kPa |
| Max. Torque | 11110 ft-lbs | 15063 Nm |
| Max. Power | 171 HP | 128 kW |

| Flow Rate | | Speed |
|-----------|------|----------|
| GPM | LPM | RPM |
| 300 | 1136 | 29 - 50 |
| 450 | 1703 | 55 - 75 |
| 600 | 2271 | 81 - 100 |



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

ADJUSTABLE BUILD RATE

| Hole Size | SLICK | | | | STABILIZED | | | |
|-------------------|----------------------------|---------------|---------------|---------------|----------------------------|---------------|---------------|---------------|
| | 7-7/8 (200mm) | 8-1/2 (216mm) | 8-3/4 (222mm) | 9-7/8 (251mm) | 7-7/8 (200mm) | 8-1/2 (216mm) | 8-3/4 (222mm) | 9-7/8 (251mm) |
| BEND ANGLE | Degrees per 100 Feet (30m) | | | | Degrees per 100 Feet (30m) | | | |
| 0.39 | 1.4 | - | - | - | 2.1 | 2.6 | 2.8 | - |
| 0.78 | 4.3 | 2.7 | 2.1 | - | 4.5 | 5.0 | 5.2 | 6.0 |
| 1.15 | 7.1 | 5.5 | 4.9 | 2.0 | 7.1 | 7.2 | 7.4 | 8.3 |
| 1.50 | 9.8 | 8.2 | 7.5 | 4.6 | 9.8 | 9.4 | 9.5 | 10.4 |
| 1.83 | 12.3 | 10.7 | 10.0 | 7.1 | 12.3 | 11.4 | 11.6 | 12.4 |
| 2.12 | 14.5 | 12.9 | 12.2 | 9.3 | 14.5 | 13.1 | 13.3 | 14.2 |
| 2.38 | 16.4 | 14.8 | 14.2 | 11.3 | 16.4 | 14.8 | 14.9 | 15.7 |
| 2.60 | 18.1 | 16.5 | 15.9 | 13.0 | 18.1 | 16.5 | 16.2 | 17.1 |
| 2.77 | 19.4 | 17.8 | 17.1 | 14.2 | 19.4 | 17.8 | 17.3 | 18.1 |
| 2.90 | 20.4 | 18.8 | 18.1 | 15.2 | 20.4 | 18.8 | 18.1 | 18.9 |
| 2.97 | 20.9 | 19.3 | 18.7 | 15.8 | 20.9 | 19.3 | 18.7 | 19.3 |
| 3.00 | 21.1 | 19.5 | 18.9 | 16.0 | 21.1 | 19.5 | 18.9 | 19.5 |

Note: Stabilizers are 1/8" undergauge

FBH BUILD RATE

| Hole Size | SLICK | | | | STABILIZED | | | |
|-------------------|----------------------------|---------------|---------------|---------------|----------------------------|---------------|---------------|---------------|
| | 7-7/8 (200mm) | 8-1/2 (216mm) | 8-3/4 (222mm) | 9-7/8 (251mm) | 7-7/8 (200mm) | 8-1/2 (216mm) | 8-3/4 (222mm) | 9-7/8 (251mm) |
| BEND ANGLE | Degrees per 100 Feet (30m) | | | | Degrees per 100 Feet (30m) | | | |
| 1.25 | 7.6 | 5.7 | 4.9 | 1.5 | 7.8 | 8.2 | 8.4 | 9.3 |
| 1.50 | 9.5 | 7.6 | 6.8 | 3.4 | 9.5 | 9.8 | 10.0 | 10.9 |
| 1.75 | 11.3 | 9.5 | 8.7 | 5.3 | 11.3 | 11.4 | 11.6 | 12.5 |
| 2.00 | 13.2 | 11.4 | 10.6 | 7.2 | 13.2 | 13.0 | 13.2 | 14.1 |
| 2.25 | 15.1 | 13.3 | 12.5 | 9.1 | 15.1 | 14.6 | 14.8 | 15.7 |
| 2.50 | 17.0 | 15.1 | 14.4 | 11.0 | 17.0 | 16.2 | 16.4 | 17.3 |

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.