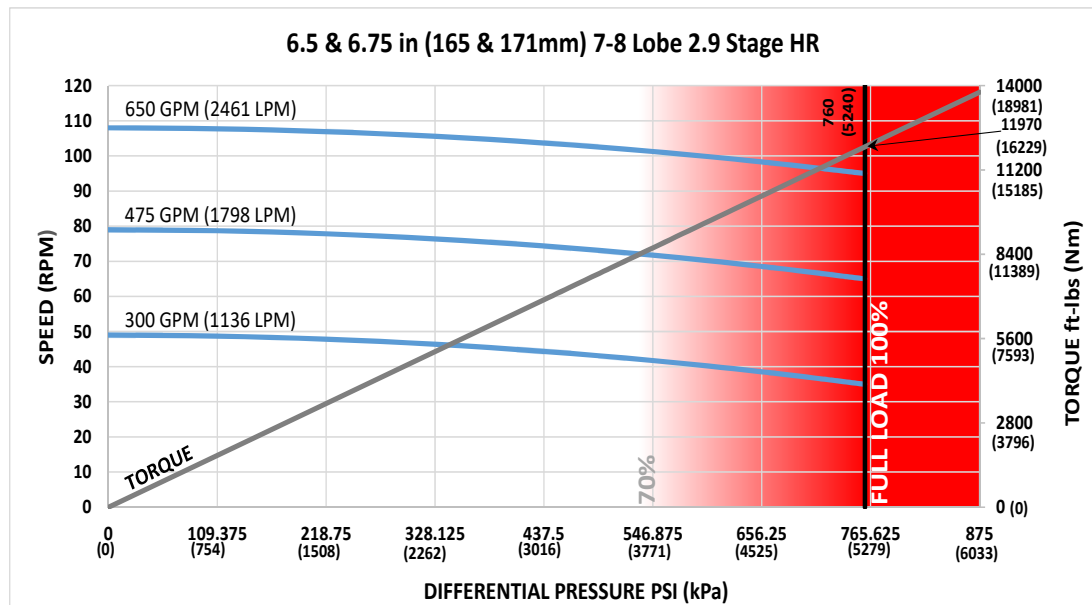




| | | |
|--|-------------------------|--------------|
| Bit Size Range | 8-1/2 - 9-7/8 in | 216 - 251 mm |
| Bit Box Connection | 4-1/2 REGULAR | |
| Dynamic Bearing Load On/Off Bottom | 162100 lbf | 72100 daN |
| Static Bearing Load On/Off Bottom | 510500 lbf | 227100 daN |
| Max. Overpull (For Re-run) | 602600 lbf | 268000 daN |
| Absolute Overpull | 1004400 lbf | 446800 daN |
| Adjustable Makeup Torque | 25000 ft-lbs | 33900 Nm |
| Stab/Thread Protector Makeup Torque | 15000 ft-lbs | 20300 Nm |
| A = Bit to Stabilizer (Centre) | 17.2 in | 437 mm |
| B = Bit to Bend | Adjustable 66 in | 1676 mm |
| | Fixed 54 in | 1372 mm |
| C = Overall (With Dump Sub) | 341.1 in | 8664 mm |
| Weight | 2613 lbs | 1185 kg |

| | | |
|--------------------------------------|-----------------------|------------|
| Lobe Configuration | 7-8 Lobe 2.9 Stage HR | |
| Displacement (No Load) | 0.17 rev/gal | 0.04 rev/l |
| Max. Differential (Full Load) | 760 psi | 5240 kPa |
| Max. Torque | 11970 ft-lbs | 16229 Nm |
| Max. Power | 217 HP | 161 kW |

| Flow Rate | | Speed |
|-----------|------|----------|
| GPM | LPM | RPM |
| 300 | 1136 | 35 - 49 |
| 475 | 1798 | 65 - 79 |
| 650 | 2461 | 95 - 108 |



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

ADJUSTABLE BUILD RATE

| Hole Size | SLICK | | | | STABILIZED | | | |
|------------|----------------------------|---------------|---------------|---|----------------------------|---------------|---------------|---|
| | 8-1/2 (216mm) | 8-3/4 (222mm) | 9-7/8 (251mm) | - | 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 | 0.1 | - | - | - | 2.4 | 2.6 | - | - |
| 0.78 | 3.0 | 2.3 | - | - | 4.8 | 5.0 | 5.8 | - |
| 1.15 | 5.7 | 5.0 | 2.0 | - | 7.1 | 7.3 | 8.1 | - |
| 1.50 | 8.3 | 7.6 | 4.5 | - | 9.3 | 9.5 | 10.2 | - |
| 1.83 | 10.7 | 10.0 | 7.0 | - | 11.3 | 11.5 | 12.3 | - |
| 2.12 | 12.9 | 12.2 | 9.1 | - | 13.1 | 13.3 | 14.1 | - |
| 2.38 | 14.8 | 14.1 | 11.0 | - | 14.8 | 14.9 | 15.7 | - |
| 2.60 | 16.4 | 15.7 | 12.6 | - | 16.4 | 16.2 | 17.0 | - |
| 2.77 | 17.6 | 17.0 | 13.9 | - | 17.6 | 17.3 | 18.1 | - |
| 2.90 | 18.6 | 17.9 | 14.8 | - | 18.6 | 18.1 | 18.9 | - |
| 2.97 | 19.1 | 18.4 | 15.4 | - | 19.1 | 18.5 | 19.3 | - |
| 3.00 | 19.3 | 18.7 | 15.6 | - | 19.3 | 18.7 | 19.5 | - |

Note: Stabilizers are 1/8" undergauge

FBH BUILD RATE

| Hole Size | SLICK | | | | STABILIZED | | | |
|------------|----------------------------|---------------|---------------|---|----------------------------|---------------|---------------|---|
| | 8-1/2 (216mm) | 8-3/4 (222mm) | 9-7/8 (251mm) | - | 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 | 5.9 | 5.1 | 1.4 | - | 8.1 | 8.3 | 9.1 | - |
| 1.50 | 7.7 | 6.9 | 3.3 | - | 9.7 | 9.9 | 10.7 | - |
| 1.75 | 9.6 | 8.7 | 5.1 | - | 11.3 | 11.5 | 12.3 | - |
| 2.00 | 11.4 | 10.6 | 6.9 | - | 12.9 | 13.1 | 13.9 | - |
| 2.25 | 13.2 | 12.4 | 8.8 | - | 14.6 | 14.7 | 15.5 | - |
| 2.38 | 14.2 | 13.4 | 9.7 | - | 15.4 | 15.6 | 16.4 | - |
| 2.50 | 15.1 | 14.3 | 10.6 | - | 16.2 | 16.3 | 17.1 | - |

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.