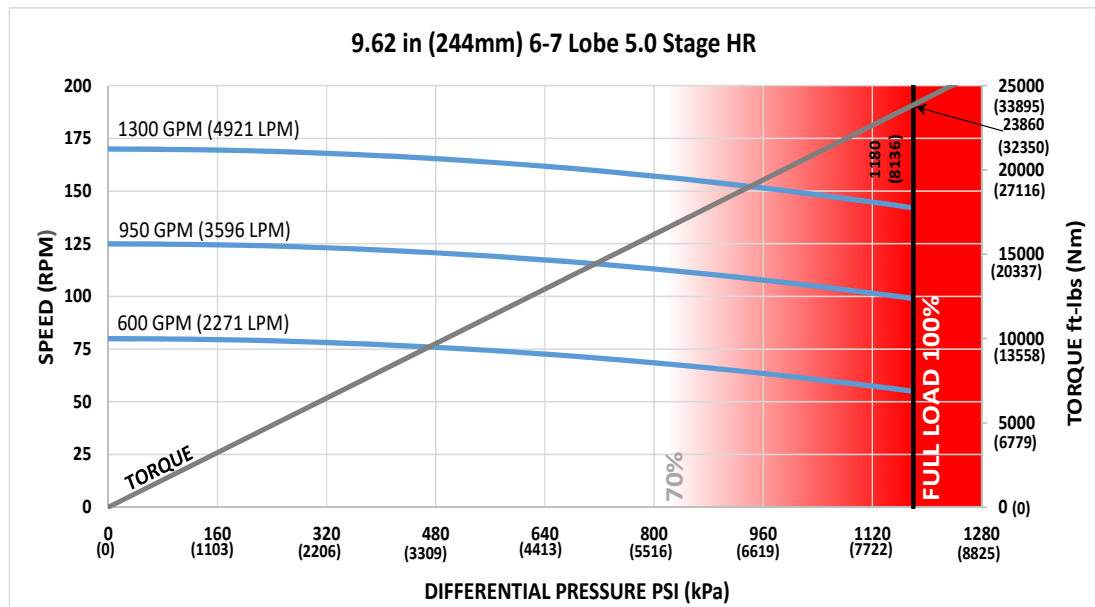




| | | |
|--|------------------------|--------------|
| Bit Size Range | 12-1/4 - 17-1/2 in | 311 - 445 mm |
| Bit Box Connection | 6-5/8 or 7-5/8 REGULAR | |
| Dynamic Bearing Load On/Off Bottom | 188513 lbf | 83900 daN |
| Static Bearing Load On/Off Bottom | 1092750 lbf | 486100 daN |
| Max. Overpull (For Re-run) | 721400 lbf | 320900 daN |
| Absolute Overpull | 1202300 lbf | 534800 daN |
| Adjustable Makeup Torque | 60000 ft-lbs | |
| Stab/Thread Protector Makeup Torque | 38000 ft-lbs | |
| A = Bit to Stabilizer (Centre) | 22.5 in | 572 mm |
| B = Bit to Bend | Adjustable | 87.3 in |
| | Fixed | 72.7 in |
| C = Overall (With Dump Sub) | 377 in | 9576 mm |
| Weight | 5803 lbs | 2632 kg |

| | | |
|--------------------------------------|---------------------|------------|
| Lobe Configuration | 6-7 Lobe 5 Stage HR | |
| Displacement (No Load) | 0.13 rev/gal | 0.03 rev/l |
| Max. Differential (Full Load) | 1180 psi | 8136 kPa |
| Max. Torque | 23860 ft-lbs | 32350 Nm |
| Max. Power | 645 HP | 481 kW |

| Flow Rate | | Speed |
|-----------|------|-----------|
| GPM | LPM | RPM |
| 600 | 2271 | 55 - 80 |
| 950 | 3596 | 99 - 125 |
| 1300 | 4921 | 142 - 170 |



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 | - | - | - | - | 2.8 | - | - | - |
| 0.78 | 1.5 | - | - | - | 4.9 | 6.0 | 7.2 | - |
| 1.15 | 3.9 | 0.6 | - | - | 6.9 | 7.9 | 9.1 | 10.0 |
| 1.50 | 6.3 | 3.0 | - | - | 8.8 | 9.8 | 11.0 | 11.9 |
| 1.83 | 8.5 | 5.2 | 1.5 | - | 10.5 | 11.6 | 12.8 | 13.7 |
| 2.12 | 10.5 | 7.2 | 3.4 | 0.6 | 12.1 | 13.1 | 14.3 | 15.2 |
| 2.38 | 12.2 | 8.9 | 5.2 | 2.3 | 13.5 | 14.5 | 15.7 | 16.6 |
| 2.60 | 13.7 | 10.4 | 6.6 | 3.8 | 14.7 | 15.7 | 16.9 | 17.8 |
| 2.77 | 14.8 | 11.5 | 7.8 | 5.0 | 15.6 | 16.6 | 17.8 | 18.7 |
| 2.90 | 15.7 | 12.4 | 8.7 | 5.8 | 16.3 | 17.3 | 18.5 | 19.4 |
| 2.97 | 16.2 | 12.9 | 9.1 | 6.3 | 16.6 | 17.7 | 18.9 | 19.8 |
| 3.00 | 16.4 | 13.1 | 9.3 | 6.5 | 16.8 | 17.9 | 19.1 | 20.0 |

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 | 4.5 | 0.6 | - | - | 7.8 | 8.9 | 10.1 | 11.0 |
| 1.50 | 6.1 | 2.3 | - | - | 9.2 | 10.3 | 11.5 | 12.4 |
| 1.75 | 7.8 | 4.0 | - | - | 10.6 | 11.7 | 12.9 | 13.8 |
| 2.00 | 9.5 | 5.7 | 1.3 | - | 12.1 | 13.1 | 14.3 | 15.2 |
| 2.25 | 11.2 | 7.3 | 3.0 | - | 13.5 | 14.5 | 15.7 | 16.6 |
| 2.50 | 12.9 | 9.0 | 4.6 | 1.4 | 14.9 | 15.9 | 17.1 | 18.1 |

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.