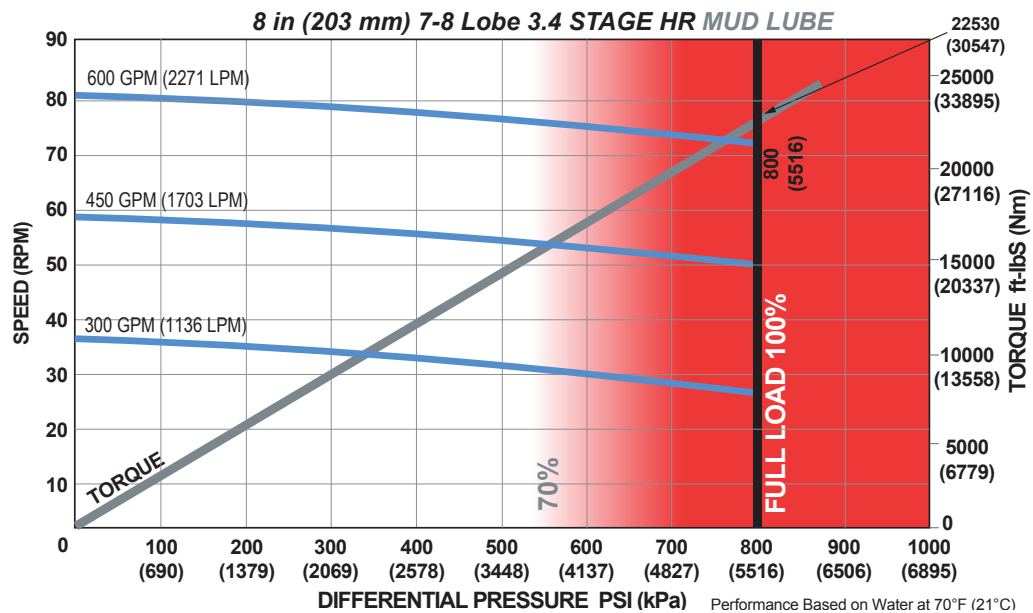


| | | | |
|---------------------------------------|-------------------|-------------------|--------------|
| Bit Size Range | | 9-7/8 - 12-1/4 in | 251 - 311 mm |
| Bit Box Connection | | 6-5/8 REGULAR | |
| Bearing Load On Bottom | Dynamic | 145951 lbf | 64920 daN |
| | Static | 534312 lbf | 237670 daN |
| Bearing Load Off Bottom | Dynamic | 145951 lbf | 64920 daN |
| | Static | 534312 lbf | 237670 daN |
| Max. Overpull (for re-run) | | 542500 lbf | 241000 daN |
| Absolute Overpull | | 904100 lbf | 402000 daN |
| Adjustable Makeup Torque | | 40000 ft-lbs | 54233 Nm |
| A = Bit to Stabilizer (centre) | | 23.5 in | 597 mm |
| B = Bit to Bend | Adjustable | 74.9 in | 1902 mm |
| | Fixed | 60 in | 1524 mm |
| C = Overall (with Dump Sub) | | 440.2 in | 11181 mm |
| Weight | | 3945.2 lbs | 1789.5 kg |

| | | |
|--------------------------------------|-----------------------|------------|
| Lobe Configuration | 7-8 Lobe 3.4 Stage HR | |
| Displacement (NO LOAD) | 0.09 rev/gal | 0.02 rev/l |
| Max. Differential @ FULL LOAD | 800 psi | 5,516 kPa |
| Max. Torque | 22,530 ft-lbs | 30,547 Nm |
| Max. Power | 309 HP | 230 kW |

| Flow Rate | | Speed |
|-----------|-------|---------|
| GPM | LPM | RPM |
| 400 | 1,514 | 27 - 36 |
| 650 | 2,461 | 50 - 59 |
| 900 | 3,407 | 72 - 81 |



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

ADJUSTABLE BUILD RATE: 8 in (203 mm) 7-8 Lobe 3.4 Stage HR MUD LUBE

| Hole Size | SLICK | | | STABILIZED | | |
|-------------------|-----------------------------|-----------------|-----------------|-----------------------------|-----------------|-----------------|
| | 9-7/8 (251 mm) | 10-5/8 (270 mm) | 12-1/4 (311 mm) | 9-7/8 (251 mm) | 10-5/8 (270 mm) | 12-1/4 (311 mm) |
| BEND ANGLE | Degrees per 100 Feet (30 m) | | | Degrees per 100 Feet (30 m) | | |
| 0.39 | - | - | - | 1.27 | 1.53 | 2.10 |
| 0.78 | 1.45 | 0.20 | - | 3.04 | 3.26 | 3.82 |
| 1.15 | 3.31 | 2.07 | - | 5.14 | 4.90 | 5.46 |
| 1.50 | 5.08 | 3.83 | 1.13 | 7.13 | 6.87 | 7.01 |
| 1.83 | 6.74 | 5.49 | 2.79 | 9.00 | 8.74 | 8.47 |
| 2.12 | 8.20 | 6.96 | 4.25 | 10.64 | 10.38 | 9.82 |
| 2.38 | 9.51 | 8.26 | 5.56 | 12.12 | 11.86 | 11.29 |
| 2.60 | 10.62 | 9.37 | 6.67 | 13.37 | 13.11 | 12.54 |
| 2.77 | 11.48 | 10.23 | 7.53 | 14.33 | 14.07 | 13.51 |
| 2.90 | 12.13 | 10.88 | 8.18 | 15.07 | 14.81 | 14.24 |
| 2.97 | 12.48 | 11.24 | 8.54 | 15.47 | 15.20 | 14.64 |
| 3.00 | 12.63 | 11.39 | 8.69 | 15.64 | 15.37 | 14.81 |

FBH BUILD RATE: 8 in (203 mm) 7-8 Lobe 3.4 Stage HR MUD LUBE

| Hole Size | SLICK | | | STABILIZED | | |
|-------------------|-----------------------------|-----------------|-----------------|-----------------------------|-----------------|-----------------|
| | 9-7/8 (251 mm) | 10-5/8 (270 mm) | 12-1/4 (311 mm) | 9-7/8 (251 mm) | 10-5/8 (270 mm) | 12-1/4 (311 mm) |
| BEND ANGLE | Degrees per 100 Feet (30 m) | | | Degrees per 100 Feet (30 m) | | |
| 1.25 | 3.30 | 1.80 | - | 5.48 | 5.57 | 6.13 |
| 1.50 | 4.56 | 3.06 | - | 6.85 | 6.72 | 7.28 |
| 1.75 | 5.82 | 4.32 | 1.06 | 8.22 | 7.96 | 8.44 |
| 2.00 | 7.08 | 5.58 | 2.32 | 9.60 | 9.33 | 9.59 |
| 2.25 | 8.34 | 6.84 | 3.58 | 10.97 | 10.71 | 10.74 |
| 2.50 | 9.60 | 8.10 | 4.84 | 12.34 | 12.08 | 11.89 |

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.