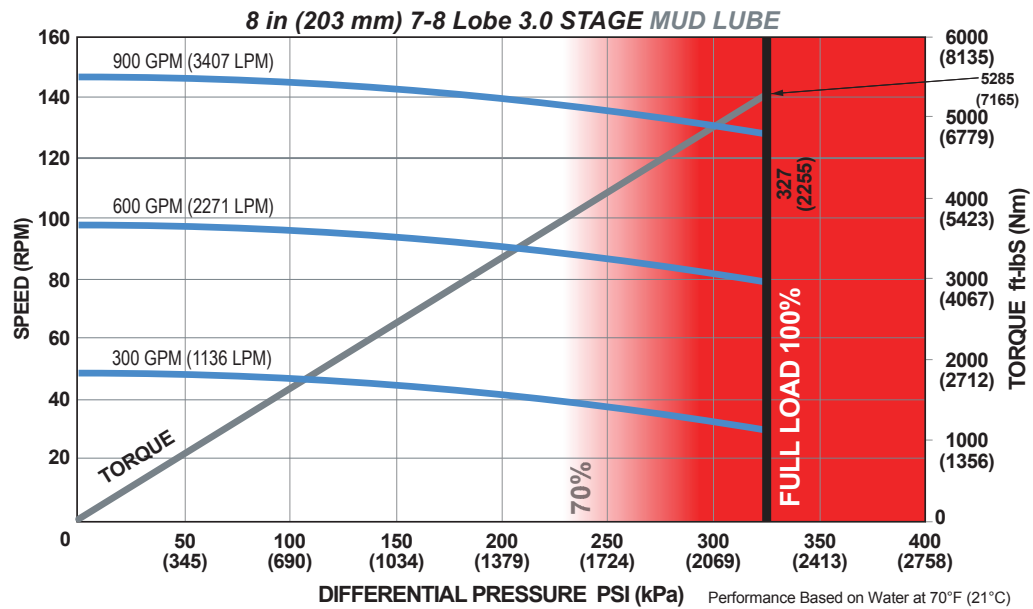


| | | | |
|---------------------------------------|-------------------|-------------------|--------------|
| Bit Size Range | | 9-7/8 - 12-1/4 in | 251 - 311 mm |
| Bit Box Connection | | 6-5/8 REGULAR | |
| Bearing Load On Bottom | Dynamic | 145951 lbf | 64920 daN |
| | Static | 534312 lbf | 237670 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) | | 300.2 in | 7625 mm |
| Weight | | 2591.2 lbs | 1175.3 kg |

| | | |
|--------------------------------------|--------------------|------------|
| Lobe Configuration | 7-8 Lobe 3.0 Stage | |
| Displacement (NO LOAD) | 0.16 rev/gal | 0.04 rev/l |
| Max. Differential @ FULL LOAD | 327 psi | 2,255 kPa |
| Max. Torque | 5,285 ft-lbs | 7,165 Nm |
| Max. Power | 121 HP | 90 kW |

| Flow Rate | | Speed |
|-----------|-------|-----------|
| GPM | LPM | RPM |
| 300 | 1,136 | 21 - 48 |
| 600 | 2,271 | 71 - 97 |
| 900 | 3,407 | 120 - 146 |



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 3.0 Stage 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 | - | - | - | 2.08 | 2.65 | 3.88 |
| 0.78 | 2.10 | 0.29 | - | 4.53 | 4.97 | 6.20 |
| 1.15 | 4.80 | 2.99 | - | 7.74 | 7.17 | 8.41 |
| 1.50 | 7.35 | 5.55 | 1.64 | 10.77 | 10.21 | 10.49 |
| 1.83 | 9.76 | 7.96 | 4.05 | 13.64 | 13.07 | 12.45 |
| 2.12 | 11.88 | 10.07 | 6.16 | 16.15 | 15.58 | 14.35 |
| 2.38 | 13.78 | 11.97 | 8.06 | 18.41 | 17.84 | 16.61 |
| 2.60 | 15.38 | 13.58 | 9.66 | 20.31 | 19.74 | 18.51 |
| 2.77 | 16.62 | 14.82 | 10.90 | 21.79 | 21.22 | 19.99 |
| 2.90 | 17.57 | 15.76 | 11.85 | 22.91 | 22.35 | 21.11 |
| 2.97 | 18.08 | 16.28 | 12.36 | 23.52 | 22.95 | 21.72 |
| 3.00 | 18.30 | 16.49 | 12.58 | 23.78 | 23.21 | 21.98 |

FBH BUILD RATE: 8 in (203 mm) 7-8 Lobe 3.0 Stage 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 | 4.78 | 2.60 | - | 8.08 | 8.26 | 9.49 |
| 1.50 | 6.61 | 4.43 | - | 10.15 | 9.85 | 11.08 |
| 1.75 | 8.43 | 6.25 | 1.53 | 12.22 | 11.66 | 12.67 |
| 2.00 | 10.26 | 8.08 | 3.36 | 14.29 | 13.73 | 14.25 |
| 2.25 | 12.08 | 9.90 | 5.18 | 16.36 | 15.80 | 15.84 |
| 2.50 | 13.91 | 11.73 | 7.01 | 18.43 | 17.86 | 17.43 |

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.