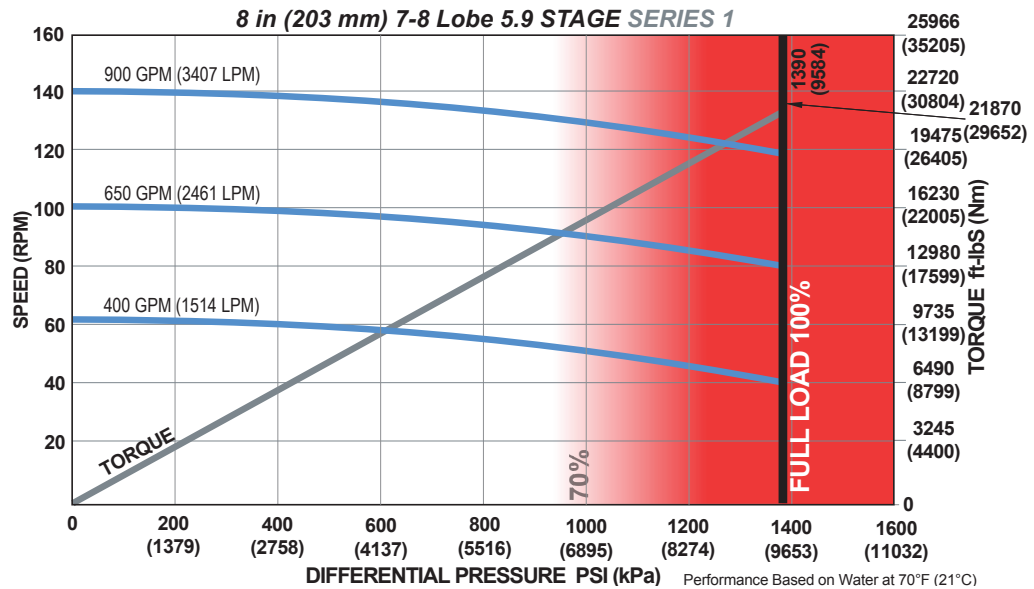


| | | | |
|---------------------------------------|-------------------|-------------------|--------------|
| Bit Size Range | | 9-7/8 - 12-1/4 in | 251 - 311 mm |
| Bit Box Connection | | 6-5/8 REGULAR | |
| Bearing Load On Bottom | Dynamic | 162510 lbf | 72290 daN |
| | Static | 573485 lbf | 255100 daN |
| Bearing Load Off Bottom | Dynamic | 162510 lbf | 72290 daN |
| | Static | 573485 lbf | 255100 daN |
| Max. Overpull (for re-run) | | 554100 lbf | 246000 daN |
| Absolute Overpull | | 923500 lbf | 411000 daN |
| Adjustable Makeup Torque | | 40000 ft-lbs | 54233 Nm |
| A = Bit to Stabilizer (centre) | | 19.26 in | 489 mm |
| B = Bit to Bend | Adjustable | 87 in | 2210 mm |
| | Fixed | 72.3 in | 1836 mm |
| C = Overall (with Dump Sub) | | 452.7 in | 11499 mm |
| Weight | | 5321.2 lbs | 2413.7 kg |

| | | |
|--------------------------------------|-----------------------|------------|
| Lobe Configuration | 7-8 Lobe 5.9 Stage HR | |
| Displacement (NO LOAD) | 0.16 rev/gal | 0.04 rev/l |
| Max. Differential @ FULL LOAD | 1,390 psi | 9,584 kPa |
| Max. Torque | 21,870 ft-lbs | 29,652 Nm |
| Max. Power | 471 HP | 351 kW |

| Flow Rate | | Speed |
|-----------|-------|-----------|
| GPM | LPM | RPM |
| 400 | 1,514 | 36 - 60 |
| 650 | 2,461 | 75 - 100 |
| 900 | 3,407 | 113 - 140 |



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 5.9 Stage HR SERIES 1

| 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 | - | - | - | 0.94 | 1.18 | 1.71 |
| 0.78 | 1.70 | 0.64 | - | 2.71 | 2.80 | 3.33 |
| 1.15 | 3.52 | 2.45 | 0.15 | 4.82 | 4.57 | 4.86 |
| 1.50 | 5.24 | 4.17 | 1.86 | 6.81 | 6.56 | 6.31 |
| 1.83 | 6.85 | 5.79 | 3.48 | 8.68 | 8.44 | 7.91 |
| 2.12 | 8.28 | 7.21 | 4.90 | 10.33 | 10.09 | 9.56 |
| 2.38 | 9.55 | 8.49 | 6.18 | 11.81 | 11.56 | 11.04 |
| 2.60 | 10.63 | 9.56 | 7.26 | 13.06 | 12.81 | 12.29 |
| 2.77 | 11.46 | 10.40 | 8.09 | 14.02 | 13.78 | 13.25 |
| 2.90 | 12.10 | 11.04 | 8.73 | 14.76 | 14.52 | 13.99 |
| 2.97 | 12.44 | 11.38 | 9.07 | 15.16 | 14.92 | 14.39 |
| 3.00 | 12.59 | 11.53 | 9.22 | 15.33 | 15.09 | 14.56 |

FBH BUILD RATE: 8 in (203 mm) 7-8 Lobe 5.9 Stage HR SERIES 1

| 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 | 3.64 | 2.39 | - | 5.18 | 4.96 | 5.48 |
| 1.50 | 4.87 | 3.62 | 0.91 | 6.56 | 6.32 | 6.56 |
| 1.75 | 6.09 | 4.84 | 2.13 | 7.94 | 7.70 | 7.64 |
| 2.00 | 7.32 | 6.07 | 3.36 | 9.32 | 9.08 | 8.72 |
| 2.25 | 8.54 | 7.29 | 4.58 | 10.70 | 10.46 | 9.93 |
| 2.50 | 9.77 | 8.52 | 5.81 | 12.08 | 11.83 | 11.31 |

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.