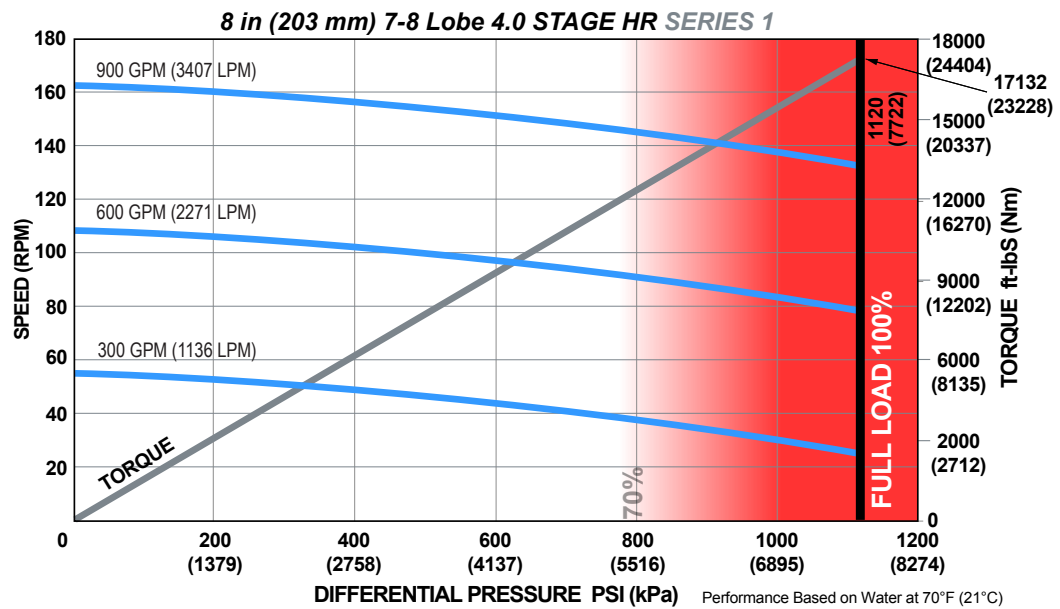


| | | | |
|---------------------------------------|-------------------|-------------------|--------------|
| Bit Size Range | | 9-7/8 - 12-1/4 in | 251 - 311 mm |
| Bit Box Connection | | 6-5/8 REGULAR | |
| Bearing Load On Bottom | Dynamic | 162510 lbf | 72290 daN |
| | Static | 573485 lbf | 255100 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) | | 358.7 in | 9111 mm |
| Weight | | 3806 lbs | 1726.4 kg |

| | | |
|--------------------------------------|-----------------------|------------|
| Lobe Configuration | 7-8 Lobe 4.0 Stage HR | |
| Displacement (NO LOAD) | 0.16 rev/gal | 0.04 rev/l |
| Max. Differential @ FULL LOAD | 1,120 psi | 7,722 kPa |
| Max. Torque | 17,132 ft-lbs | 23,228 Nm |
| Max. Power | 434 HP | 324 kW |

| Flow Rate | | Speed |
|-----------|-------|-----------|
| GPM | LPM | RPM |
| 300 | 1,136 | 25 - 54 |
| 600 | 2,271 | 79 - 108 |
| 900 | 3,407 | 133 - 162 |



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 4.0 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 | - | - | - | 1.23 | 1.62 | 2.46 |
| 0.78 | 2.14 | 0.8 | - | 3.39 | 3.54 | 4.39 |
| 1.15 | 4.41 | 3.08 | 0.18 | 6.13 | 5.74 | 6.21 |
| 1.50 | 6.56 | 5.23 | 2.34 | 8.72 | 8.32 | 7.94 |
| 1.83 | 8.59 | 7.26 | 4.37 | 11.15 | 10.76 | 9.92 |
| 2.12 | 10.38 | 9.04 | 6.15 | 13.3 | 12.91 | 12.06 |
| 2.38 | 11.97 | 10.64 | 7.75 | 15.22 | 14.83 | 13.98 |
| 2.60 | 13.33 | 11.99 | 9.1 | 16.84 | 16.45 | 15.61 |
| 2.77 | 14.37 | 13.03 | 10.14 | 18.1 | 17.71 | 16.86 |
| 2.90 | 15.17 | 13.83 | 10.94 | 19.06 | 18.67 | 17.82 |
| 2.97 | 15.6 | 14.26 | 11.37 | 19.58 | 19.19 | 18.34 |
| 3.00 | 15.78 | 14.45 | 11.56 | 19.8 | 19.41 | 18.56 |

FBH BUILD RATE: 8 in (203 mm) 7-8 Lobe 4.0 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 | 4.56 | 3 | - | 6.55 | 6.19 | 7.04 |
| 1.50 | 6.1 | 4.53 | 1.14 | 8.33 | 7.94 | 8.34 |
| 1.75 | 7.64 | 6.07 | 2.67 | 10.11 | 9.72 | 9.64 |
| 2.00 | 9.17 | 7.61 | 4.21 | 11.89 | 11.5 | 10.94 |

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.