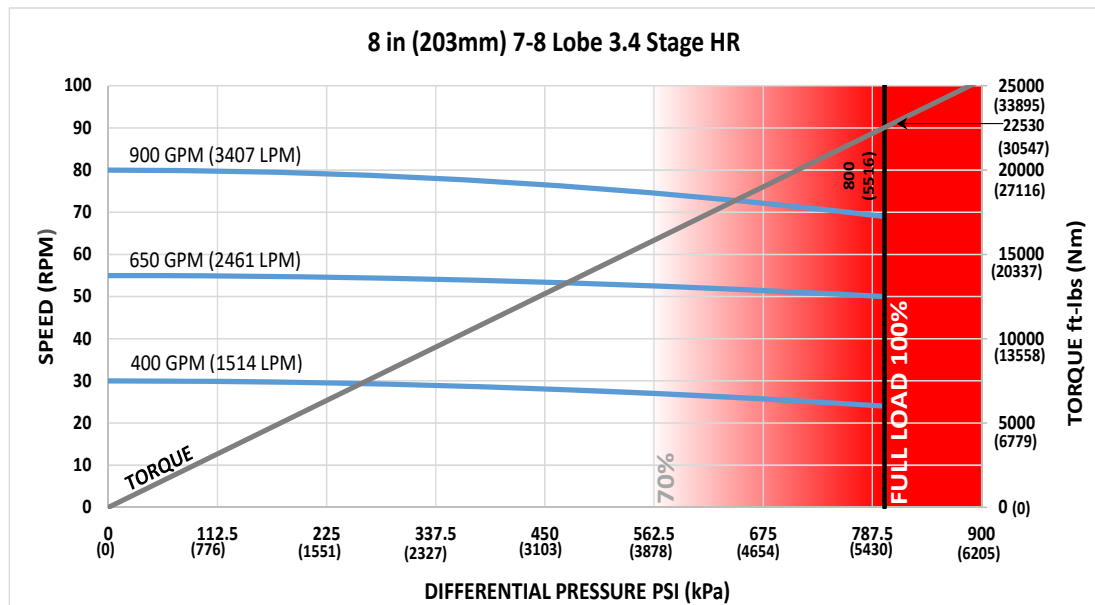




|  |                   |                   |
|--|-------------------|-------------------|
| <b>Bit Size Range</b>                      | 9-7/8 - 12-1/4 in | 251 - 311 mm      |
| <b>Bit Box Connection</b>                  | 6-5/8 REGULAR     |                   |
| <b>Dynamic Bearing Load On/Off Bottom</b>  | 162510 lbf        | 72300 daN         |
| <b>Static Bearing Load On/Off Bottom</b>   | 573485 lbf        | 255100 daN        |
| <b>Max. Overpull (For Re-run)</b>          | 554100 lbf        | 246500 daN        |
| <b>Absolute Overpull</b>                   | 923500 lbf        | 410800 daN        |
| <b>Adjustable Makeup Torque</b>            | 40000 ft-lbs      | 54200 Nm          |
| <b>Stab/Thread Protector Makeup Torque</b> | 30000 ft-lbs      | 40700 Nm          |
| <b>A = Bit to Stabilizer (Centre)</b>      | 16.87 in          | 428 mm            |
| <b>B = Bit to Bend</b>                     | Adjustable        | 74.7 in / 1897 mm |
|  | Fixed             | 60.1 in / 1527 mm |
| <b>C = Overall (With Dump Sub)</b>         | 440.4 in          | 11186 mm          |
| <b>Weight</b>                              | 5000 lbs          | 2268 kg           |

|                                      |                       |            |
|--------------------------------------|-----------------------|------------|
| <b>Lobe Configuration</b>            | 7-8 Lobe 3.4 Stage HR |            |
| <b>Displacement (No Load)</b>        | 0.09 rev/gal          | 0.02 rev/l |
| <b>Max. Differential (Full Load)</b> | 800 psi               | 5516 kPa   |
| <b>Max. Torque</b>                   | 22530 ft-lbs          | 30547 Nm   |
| <b>Max. Power</b>                    | 296 HP                | 221 kW     |

| Flow Rate |      | Speed   |
|-----------|------|---------|
| GPM       | LPM  | RPM     |
| 400       | 1514 | 24 - 30 |
| 650       | 2461 | 50 - 55 |
| 900       | 3407 | 69 - 80 |



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

### ADJUSTABLE BUILD RATE

| Hole Size         | SLICK                      |                |                |                | STABILIZED                 |                |                |                |
|-------------------|----------------------------|----------------|----------------|----------------|----------------------------|----------------|----------------|----------------|
|                   | 9-7/8 (251mm)              | 10-5/8 (270mm) | 11-1/2 (292mm) | 12-1/4 (311mm) | 9-7/8 (251mm)              | 10-5/8 (270mm) | 11-1/2 (292mm) | 12-1/4 (311mm) |
| <b>BEND ANGLE</b> | Degrees per 100 Feet (30m) |                |                |                | Degrees per 100 Feet (30m) |                |                |                |
| 0.39              | -                          | -              | -              | -              | 1.8                        | 2.1            | -              | -              |
| 0.78              | 1.7                        | 0.3            | -              | -              | 3.7                        | 4.0            | 4.4            | 4.7            |
| 1.15              | 3.8                        | 2.4            | 0.8            | -              | 5.5                        | 5.9            | 6.2            | 6.5            |
| 1.50              | 5.8                        | 4.4            | 2.8            | 1.3            | 7.2                        | 7.6            | 7.9            | 8.2            |
| 1.83              | 7.7                        | 6.3            | 4.6            | 3.2            | 8.9                        | 9.2            | 9.5            | 9.9            |
| 2.12              | 9.4                        | 8.0            | 6.3            | 4.9            | 10.3                       | 10.6           | 11.0           | 11.3           |
| 2.38              | 10.9                       | 9.5            | 7.8            | 6.4            | 11.5                       | 11.9           | 12.2           | 12.5           |
| 2.60              | 12.1                       | 10.7           | 9.1            | 7.6            | 12.6                       | 12.9           | 13.3           | 13.6           |
| 2.77              | 13.1                       | 11.7           | 10.0           | 8.6            | 13.4                       | 13.8           | 14.1           | 14.4           |
| 2.90              | 13.9                       | 12.4           | 10.8           | 9.4            | 14.1                       | 14.4           | 14.8           | 15.1           |
| 2.97              | 14.3                       | 12.8           | 11.2           | 9.8            | 14.4                       | 14.7           | 15.1           | 15.4           |
| 3.00              | 14.4                       | 13.0           | 11.4           | 9.9            | 14.6                       | 14.9           | 15.2           | 15.6           |

Note: Stabilizers are 1/8" undergauge

### FBH BUILD RATE

| Hole Size         | SLICK                      |                |                |                | STABILIZED                 |                |                |                |
|-------------------|----------------------------|----------------|----------------|----------------|----------------------------|----------------|----------------|----------------|
|                   | 9-7/8 (251mm)              | 10-5/8 (270mm) | 11-1/2 (292mm) | 12-1/4 (311mm) | 9-7/8 (251mm)              | 10-5/8 (270mm) | 11-1/2 (292mm) | 12-1/4 (311mm) |
| <b>BEND ANGLE</b> | Degrees per 100 Feet (30m) |                |                |                | Degrees per 100 Feet (30m) |                |                |                |
| 1.25              | 3.8                        | 2.1            | 0.1            | -              | 6.3                        | 6.6            | 7.0            | 7.3            |
| 1.50              | 5.3                        | 3.6            | 1.6            | -              | 7.6                        | 7.9            | 8.3            | 8.6            |
| 1.75              | 6.7                        | 5.0            | 3.0            | 1.3            | 8.8                        | 9.2            | 9.5            | 9.8            |
| 2.00              | 8.1                        | 6.4            | 4.4            | 2.7            | 10.1                       | 10.4           | 10.8           | 11.1           |
| 2.25              | 9.6                        | 7.8            | 5.9            | 4.2            | 11.4                       | 11.7           | 12.1           | 12.4           |
| 2.50              | 11.0                       | 9.3            | 7.3            | 5.6            | 12.7                       | 13.0           | 13.3           | 13.7           |

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.