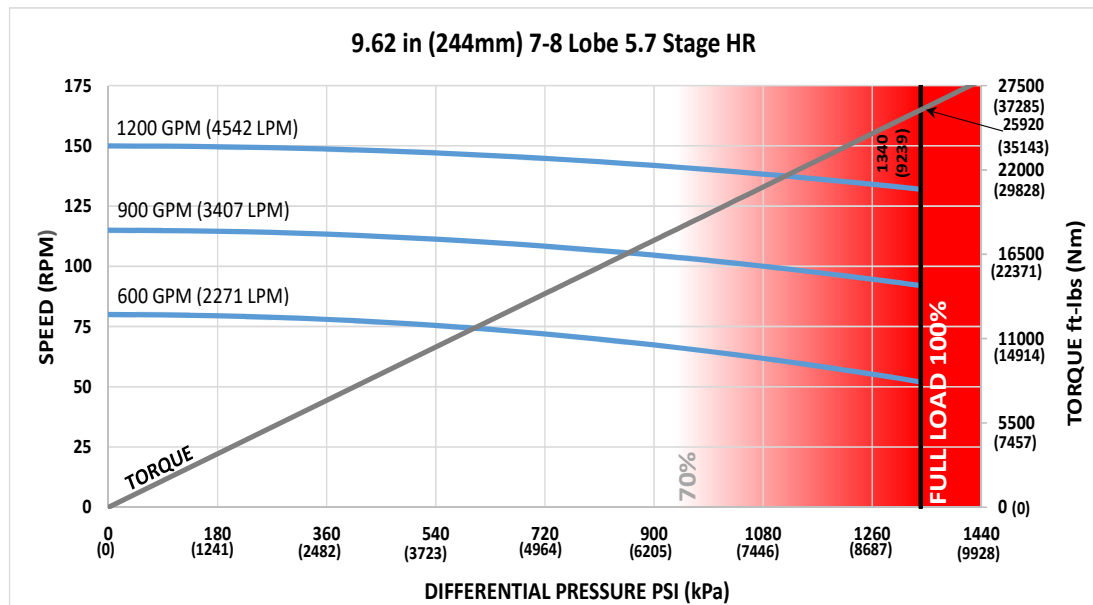




|  |                        |                   |
|--|------------------------|-------------------|
| <b>Bit Size Range</b>                      | 12-1/4 - 17-1/2 in     | 311 - 445 mm      |
| <b>Bit Box Connection</b>                  | 6-5/8 or 7-5/8 REGULAR |                   |
| <b>Dynamic Bearing Load On/Off Bottom</b>  | 240975 lbf             | 107200 daN        |
| <b>Static Bearing Load On/Off Bottom</b>   | 852600 lbf             | 379300 daN        |
| <b>Max. Overpull (For Re-run)</b>          | 741100 lbf             | 329700 daN        |
| <b>Absolute Overpull</b>                   | 1235100 lbf            | 549400 daN        |
| <b>Adjustable Makeup Torque</b>            | 60000 ft-lbs           | 81300 Nm          |
| <b>Stab/Thread Protector Makeup Torque</b> | 38000 ft-lbs           | 51500 Nm          |
| <b>A = Bit to Stabilizer (Centre)</b>      | 20.2 in                | 513 mm            |
| <b>B = Bit to Bend</b>                     | <b>Adjustable</b>      | 87.3 in / 2217 mm |
|  | <b>Fixed</b>           | 72.7 in / 1847 mm |
| <b>C = Overall (With Dump Sub)</b>         | 398.7 in               | 10127 mm          |
| <b>Weight</b>                              | 6331 lbs               | 2872 kg           |

|                                      |                       |            |
|--------------------------------------|-----------------------|------------|
| <b>Lobe Configuration</b>            | 7-8 Lobe 5.7 Stage HR |            |
| <b>Displacement (No Load)</b>        | 0.13 rev/gal          | 0.03 rev/l |
| <b>Max. Differential (Full Load)</b> | 1340 psi              | 9239 kPa   |
| <b>Max. Torque</b>                   | 25920 ft-lbs          | 35143 Nm   |
| <b>Max. Power</b>                    | 651 HP                | 486 kW     |

| Flow Rate |      | Speed     |
|-----------|------|-----------|
| GPM       | LPM  | RPM       |
| 600       | 2271 | 52 - 80   |
| 900       | 3407 | 92 - 115  |
| 1200      | 4542 | 132 - 150 |



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

### ADJUSTABLE BUILD RATE

| Hole Size         | SLICK                      |            |            |                | STABILIZED                 |            |            |                |
|-------------------|----------------------------|------------|------------|----------------|----------------------------|------------|------------|----------------|
|                   | 12-1/4 (311mm)             | 14 (356mm) | 16 (406mm) | 17-1/2 (445mm) | 12-1/4 (311mm)             | 14 (356mm) | 16 (406mm) | 17-1/2 (445mm) |
| <b>BEND ANGLE</b> | Degrees per 100 Feet (30m) |            |            |                | Degrees per 100 Feet (30m) |            |            |                |
| 0.39              | -                          | -          | -          | -              | 2.5                        | -          | -          | -              |
| 0.78              | 1.4                        | -          | -          | -              | 4.5                        | 5.5        | 6.5        | -              |
| 1.15              | 3.7                        | 0.6        | -          | -              | 6.4                        | 7.3        | 8.4        | 9.2            |
| 1.50              | 5.9                        | 2.8        | -          | -              | 8.2                        | 9.1        | 10.2       | 11.0           |
| 1.83              | 8.0                        | 4.9        | 1.4        | -              | 9.9                        | 10.8       | 11.9       | 12.7           |
| 2.12              | 9.9                        | 6.7        | 3.2        | 0.5            | 11.4                       | 12.3       | 13.3       | 14.1           |
| 2.38              | 11.5                       | 8.4        | 4.8        | 2.2            | 12.7                       | 13.6       | 14.7       | 15.5           |
| 2.60              | 12.9                       | 9.8        | 6.2        | 3.6            | 13.8                       | 14.7       | 15.8       | 16.6           |
| 2.77              | 14.0                       | 10.9       | 7.3        | 4.7            | 14.7                       | 15.6       | 16.7       | 17.5           |
| 2.90              | 14.8                       | 11.7       | 8.1        | 5.5            | 15.3                       | 16.3       | 17.3       | 18.1           |
| 2.97              | 15.2                       | 12.1       | 8.6        | 5.9            | 15.7                       | 16.6       | 17.7       | 18.5           |
| 3.00              | 15.4                       | 12.3       | 8.8        | 6.1            | 15.9                       | 16.8       | 17.8       | 18.6           |

Note: Stabilizers are 1/8" undergauge

### FBH BUILD RATE

| Hole Size         | SLICK                      |            |            |                | STABILIZED                 |            |            |                |
|-------------------|----------------------------|------------|------------|----------------|----------------------------|------------|------------|----------------|
|                   | 12-1/4 (311mm)             | 14 (356mm) | 16 (406mm) | 17-1/2 (445mm) | 12-1/4 (311mm)             | 14 (356mm) | 16 (406mm) | 17-1/2 (445mm) |
| <b>BEND ANGLE</b> | Degrees per 100 Feet (30m) |            |            |                | Degrees per 100 Feet (30m) |            |            |                |
| 1.25              | 4.2                        | 0.6        | -          | -              | 7.3                        | 8.2        | 9.2        | 10.0           |
| 1.50              | 5.8                        | 2.1        | -          | -              | 8.6                        | 9.5        | 10.6       | 11.4           |
| 1.75              | 7.4                        | 3.7        | -          | -              | 9.9                        | 10.9       | 11.9       | 12.7           |
| 2.00              | 8.9                        | 5.3        | 1.2        | -              | 11.3                       | 12.2       | 13.3       | 14.1           |
| 2.25              | 10.5                       | 6.9        | 2.8        | -              | 12.6                       | 13.6       | 14.6       | 15.4           |
| 2.50              | 12.1                       | 8.5        | 4.4        | 1.3            | 14.0                       | 14.9       | 16.0       | 16.7           |

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.