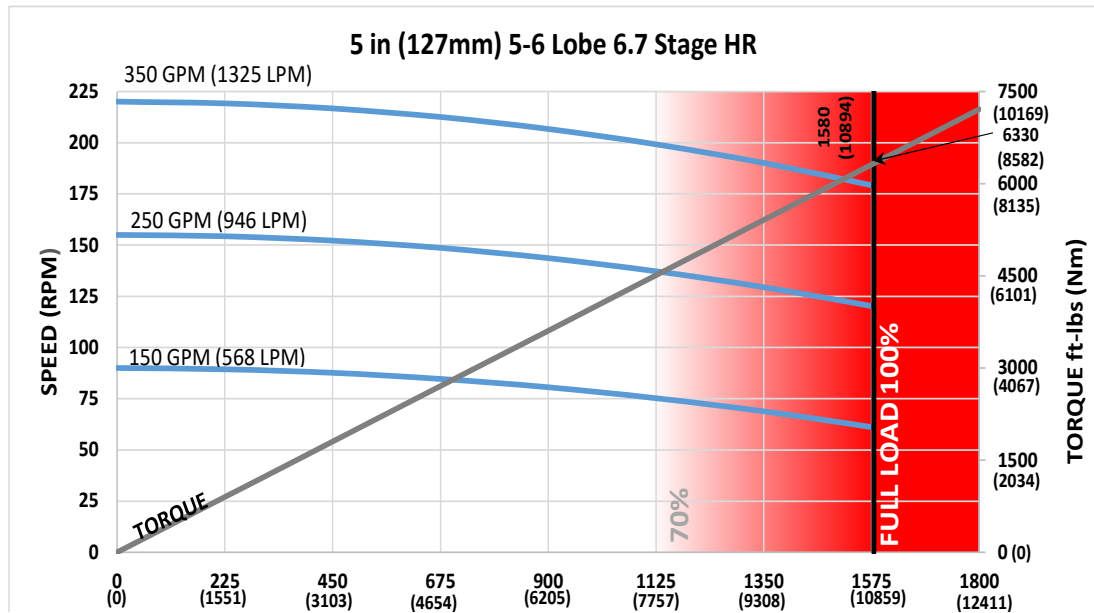




|  |                   |                   |
|--|-------------------|-------------------|
| <b>Bit Size Range</b>                      | 5-7/8 - 6-3/4 in  | 143 - 171 mm      |
| <b>Bit Box Connection</b>                  | 3-1/2 REGULAR     |                   |
| <b>Dynamic Bearing Load On/Off Bottom</b>  | 71500 lbf         | 31800 daN         |
| <b>Static Bearing Load On/Off Bottom</b>   | 229350 lbf        | 102000 daN        |
| <b>Max. Overpull (For Re-run)</b>          | 328000 lbf        | 145900 daN        |
| <b>Absolute Overpull</b>                   | 546000 lbf        | 242900 daN        |
| <b>Adjustable Makeup Torque</b>            | 12000 ft-lbs      | 16300 Nm          |
| <b>Stab/Thread Protector Makeup Torque</b> | 8000 ft-lbs       | 10800 Nm          |
| <b>A = Bit to Stabilizer (Centre)</b>      | 16.7 in           | 424 mm            |
| <b>B = Bit to Bend</b>                     | <b>Adjustable</b> | 56.3 in / 1430 mm |
|  | <b>Fixed</b>      | 45.7 in / 1161 mm |
| <b>C = Overall (With Dump Sub)</b>         | 358.5 in          | 9106 mm           |
| <b>Weight</b>                              | 1355 lbs          | 615 kg            |

|                                      |                       |            |
|--------------------------------------|-----------------------|------------|
| <b>Lobe Configuration</b>            | 5-6 Lobe 6.7 Stage HR |            |
| <b>Displacement (No Load)</b>        | 0.63 rev/gal          | 0.17 rev/l |
| <b>Max. Differential (Full Load)</b> | 1580 psi              | 10894 kPa  |
| <b>Max. Torque</b>                   | 6330 ft-lbs           | 8582 Nm    |
| <b>Max. Power</b>                    | 216 HP                | 161 kW     |

| Flow Rate |      | Speed     |
|-----------|------|-----------|
| GPM       | LPM  | RPM       |
| 150       | 568  | 61 - 90   |
| 250       | 946  | 120 - 155 |
| 350       | 1325 | 179 - 220 |



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

### ADJUSTABLE BUILD RATE

| Hole Size         | SLICK                      |               |               |               | STABILIZED                 |               |               |               |
|-------------------|----------------------------|---------------|---------------|---------------|----------------------------|---------------|---------------|---------------|
|                   | 5-7/8 (149mm)              | 6-1/8 (156mm) | 6-1/4 (159mm) | 6-3/4 (171mm) | 5-7/8 (149mm)              | 6-1/8 (156mm) | 6-1/4 (159mm) | 6-3/4 (171mm) |
| <b>BEND ANGLE</b> | Degrees per 100 Feet (30m) |               |               |               | Degrees per 100 Feet (30m) |               |               |               |
| <b>0.39</b>       | 2.4                        | 1.6           | 1.2           | -             | 2.4                        | 1.9           | 2.0           | 2.3           |
| <b>0.78</b>       | 5.1                        | 4.4           | 4.0           | 2.4           | 5.1                        | 4.4           | 4.4           | 4.7           |
| <b>1.15</b>       | 7.8                        | 7.0           | 6.6           | 5.0           | 7.8                        | 7.0           | 6.7           | 7.0           |
| <b>1.50</b>       | 10.2                       | 9.5           | 9.1           | 7.5           | 10.2                       | 9.5           | 9.1           | 9.1           |
| <b>1.83</b>       | 12.6                       | 11.8          | 11.4          | 9.8           | 12.6                       | 11.8          | 11.4          | 11.2          |
| <b>2.12</b>       | 14.6                       | 13.8          | 13.4          | 11.9          | 14.6                       | 13.8          | 13.4          | 13.0          |
| <b>2.38</b>       | 16.5                       | 15.7          | 15.3          | 13.7          | 16.5                       | 15.7          | 15.3          | 14.6          |
| <b>2.60</b>       | 18.0                       | 17.2          | 16.8          | 15.3          | 18.0                       | 17.2          | 16.8          | 15.9          |
| <b>2.77</b>       | 19.2                       | 18.4          | 18.0          | 16.5          | 19.2                       | 18.4          | 18.0          | 17.0          |
| <b>2.90</b>       | 20.1                       | 19.3          | 19.0          | 17.4          | 20.1                       | 19.3          | 19.0          | 17.8          |
| <b>2.97</b>       | 20.6                       | 19.8          | 19.5          | 17.9          | 20.6                       | 19.8          | 19.5          | 18.2          |
| <b>3.00</b>       | 20.8                       | 20.1          | 19.7          | 18.1          | 20.8                       | 20.1          | 19.7          | 18.4          |

Note: Stabilizers are 1/8" undergauge

### FBH BUILD RATE

| Hole Size         | SLICK                      |               |               |               | STABILIZED                 |               |               |               |
|-------------------|----------------------------|---------------|---------------|---------------|----------------------------|---------------|---------------|---------------|
|                   | 5-7/8 (149mm)              | 6-1/8 (156mm) | 6-1/4 (159mm) | 6-3/4 (171mm) | 5-7/8 (149mm)              | 6-1/8 (156mm) | 6-1/4 (159mm) | 6-3/4 (171mm) |
| <b>BEND ANGLE</b> | Degrees per 100 Feet (30m) |               |               |               | Degrees per 100 Feet (30m) |               |               |               |
| <b>1.25</b>       | 8.3                        | 7.4           | 6.9           | 5.0           | 8.3                        | 7.5           | 7.6           | 7.9           |
| <b>1.50</b>       | 10.1                       | 9.2           | 8.7           | 6.8           | 10.1                       | 9.2           | 9.2           | 9.5           |
| <b>1.75</b>       | 11.9                       | 10.9          | 10.5          | 8.6           | 11.9                       | 10.9          | 10.8          | 11.1          |
| <b>2.00</b>       | 13.6                       | 12.7          | 12.2          | 10.3          | 13.6                       | 12.7          | 12.4          | 12.7          |
| <b>2.12</b>       | 14.5                       | 13.5          | 13.1          | 11.2          | 14.5                       | 13.5          | 13.2          | 13.5          |
| <b>2.25</b>       | 15.4                       | 14.5          | 14.0          | 12.1          | 15.4                       | 14.5          | 14.0          | 14.3          |
| <b>2.50</b>       | 17.2                       | 16.2          | 15.8          | 13.9          | 17.2                       | 16.2          | 15.8          | 15.9          |

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.