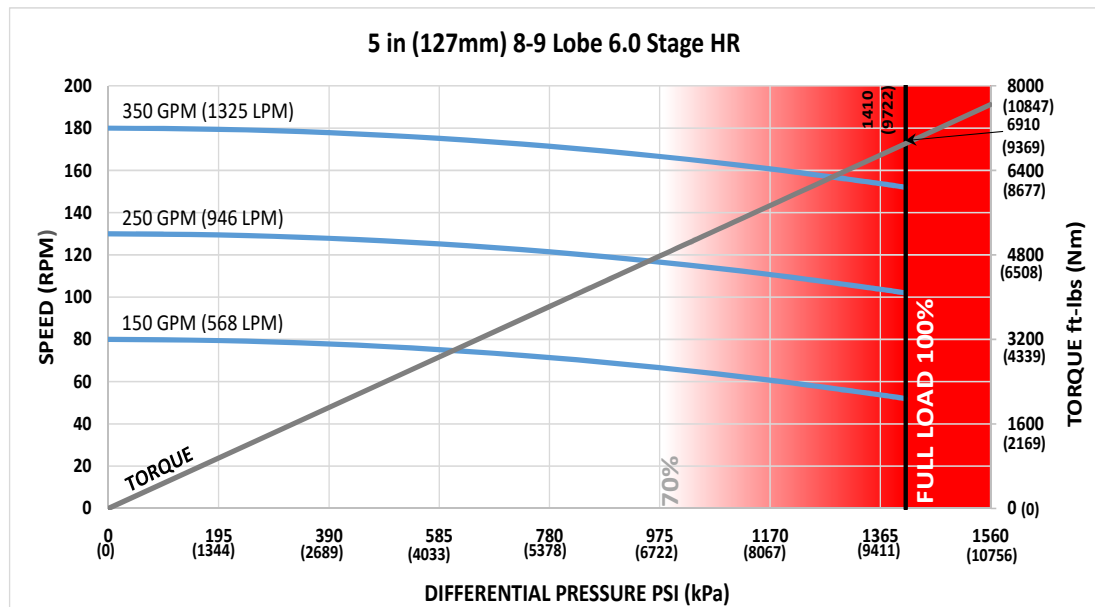




|  |  |                    |
|--|--|--------------------|
| <b>Bit Size Range</b>                      | 5- <sup>7</sup> / <sub>8</sub> - 6- <sup>3</sup> / <sub>4</sub> in | 143 - 171 mm       |
| <b>Bit Box Connection</b>                  | 3- <sup>1</sup> / <sub>2</sub> REGULAR                             |                    |
| <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<br><b>Fixed</b> 45.7 in                  | 1430 mm<br>1161 mm |
| <b>C = Overall (With Dump Sub)</b>         | 358.5 in   | 9106 mm            |
| <b>Weight</b>                              | 1485 lbs   | 674 kg             |

|                                      |                     |            |
|--------------------------------------|---------------------|------------|
| <b>Lobe Configuration</b>            | 8-9 Lobe 6 Stage HR |            |
| <b>Displacement (No Load)</b>        | 0.51 rev/gal        | 0.13 rev/l |
| <b>Max. Differential (Full Load)</b> | 1410 psi            | 9722 kPa   |
| <b>Max. Torque</b>                   | 6910 ft-lbs         | 9369 Nm    |
| <b>Max. Power</b>                    | 200 HP              | 149 kW     |

| Flow Rate |      | Speed     |
|-----------|------|-----------|
| GPM       | LMP  | RPM       |
| 150       | 568  | 52 - 80   |
| 250       | 946  | 102 - 130 |
| 350       | 1325 | 152 - 180 |



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

### ADJUSTABLE BUILD RATE

| Hole Size         | SLICK                                  |           |  |  | STABILIZED                             |           |  |  |
|-------------------|--|-----------|--|--|--|-----------|--|--|
|                   | 5- <sup>7</sup> / <sub>8</sub> (149mm) | 6 (152mm) | 6- <sup>1</sup> / <sub>8</sub> (156mm) | 6- <sup>1</sup> / <sub>4</sub> (159mm) | 5- <sup>7</sup> / <sub>8</sub> (149mm) | 6 (152mm) | 6- <sup>1</sup> / <sub>8</sub> (156mm) | 6- <sup>1</sup> / <sub>4</sub> (159mm) |
| <b>BEND ANGLE</b> | Degrees per 100 Feet (30m)             |           |  |  | Degrees per 100 Feet (30m)             |           |  |  |
| <b>0.39</b>       | 2.4                                    | 2.0       | 1.6                                    | 1.2                                    | 2.4                                    | 2.0       | 1.9                                    | 2.0                                    |
| <b>0.78</b>       | 5.1                                    | 4.8       | 4.4                                    | 4.0                                    | 5.1                                    | 4.8       | 4.4                                    | 4.4                                    |
| <b>1.15</b>       | 7.8                                    | 7.4       | 7.0                                    | 6.6                                    | 7.8                                    | 7.4       | 7.0                                    | 6.7                                    |
| <b>1.50</b>       | 10.2                                   | 9.8       | 9.5                                    | 9.1                                    | 10.2                                   | 9.8       | 9.5                                    | 9.1                                    |
| <b>1.83</b>       | 12.6                                   | 12.2      | 11.8                                   | 11.4                                   | 12.6                                   | 12.2      | 11.8                                   | 11.4                                   |
| <b>2.12</b>       | 14.6                                   | 14.2      | 13.8                                   | 13.4                                   | 14.6                                   | 14.2      | 13.8                                   | 13.4                                   |
| <b>2.38</b>       | 16.5                                   | 16.1      | 15.7                                   | 15.3                                   | 16.5                                   | 16.1      | 15.7                                   | 15.3                                   |
| <b>2.60</b>       | 18.0                                   | 17.6      | 17.2                                   | 16.8                                   | 18.0                                   | 17.6      | 17.2                                   | 16.8                                   |
| <b>2.77</b>       | 19.2                                   | 18.8      | 18.4                                   | 18.0                                   | 19.2                                   | 18.8      | 18.4                                   | 18.0                                   |
| <b>2.90</b>       | 20.1                                   | 19.7      | 19.3                                   | 19.0                                   | 20.1                                   | 19.7      | 19.3                                   | 19.0                                   |
| <b>2.97</b>       | 20.6                                   | 20.2      | 19.8                                   | 19.5                                   | 20.6                                   | 20.2      | 19.8                                   | 19.5                                   |
| <b>3.00</b>       | 20.8                                   | 20.4      | 20.1                                   | 19.7                                   | 20.8                                   | 20.4      | 20.1                                   | 19.7                                   |

Note: Stabilizers are <sup>1</sup>/<sub>8</sub>" undergauge

### FBH BUILD RATE

| Hole Size         | SLICK                                  |           |  |  | STABILIZED                             |           |  |  |
|-------------------|--|-----------|--|--|--|-----------|--|--|
|                   | 5- <sup>7</sup> / <sub>8</sub> (149mm) | 6 (152mm) | 6- <sup>1</sup> / <sub>8</sub> (156mm) | 6- <sup>1</sup> / <sub>4</sub> (159mm) | 5- <sup>7</sup> / <sub>8</sub> (149mm) | 6 (152mm) | 6- <sup>1</sup> / <sub>8</sub> (156mm) | 6- <sup>1</sup> / <sub>4</sub> (159mm) |
| <b>BEND ANGLE</b> | Degrees per 100 Feet (30m)             |           |  |  | Degrees per 100 Feet (30m)             |           |  |  |
| <b>1.25</b>       | 8.3                                    | 7.9       | 7.4                                    | 6.9                                    | 8.3                                    | 7.9       | 7.5                                    | 7.6                                    |
| <b>1.50</b>       | 10.1                                   | 9.6       | 9.2                                    | 8.7                                    | 10.1                                   | 9.6       | 9.2                                    | 9.2                                    |
| <b>1.75</b>       | 11.9                                   | 11.4      | 10.9                                   | 10.5                                   | 11.9                                   | 11.4      | 10.9                                   | 10.8                                   |
| <b>2.00</b>       | 13.6                                   | 13.2      | 12.7                                   | 12.2                                   | 13.6                                   | 13.2      | 12.7                                   | 12.4                                   |
| <b>2.25</b>       | 15.4                                   | 14.9      | 14.5                                   | 14.0                                   | 15.4                                   | 14.9      | 14.5                                   | 14.0                                   |
| <b>2.50</b>       | 17.2                                   | 16.7      | 16.2                                   | 15.8                                   | 17.2                                   | 16.7      | 16.2                                   | 15.8                                   |

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.