

**MECHANICAL PERFORMANCE**

|                             |                        |          |
|-----------------------------|------------------------|----------|
| <b>Max. Weight on Bit</b>   | 120,000 lbs            | 534 kN   |
| <b>Max. Pull to Re-Run</b>  | 495,000 lbs            | 2,201 kN |
| <b>Pull to Yield</b>        | 1,000,000 lbs          | 4,448 kN |
| <b>Bit to Bend (ABH)</b>    | --                     | --       |
| <b>Bit to Bend (FBH)</b>    | 77.1 in                | 1,959 mm |
| <b>Weight</b>               | 6,527 lbs              | 2,939 kg |
| <b>Length</b>               | 32.55 ft               | 9.91 m   |
| <b>Top Connection (Box)</b> | 6 5/8" Reg; 7 5/8" Reg |          |
| <b>Bit Connection (Box)</b> | 6 5/8" Reg; 7 5/8" Reg |          |

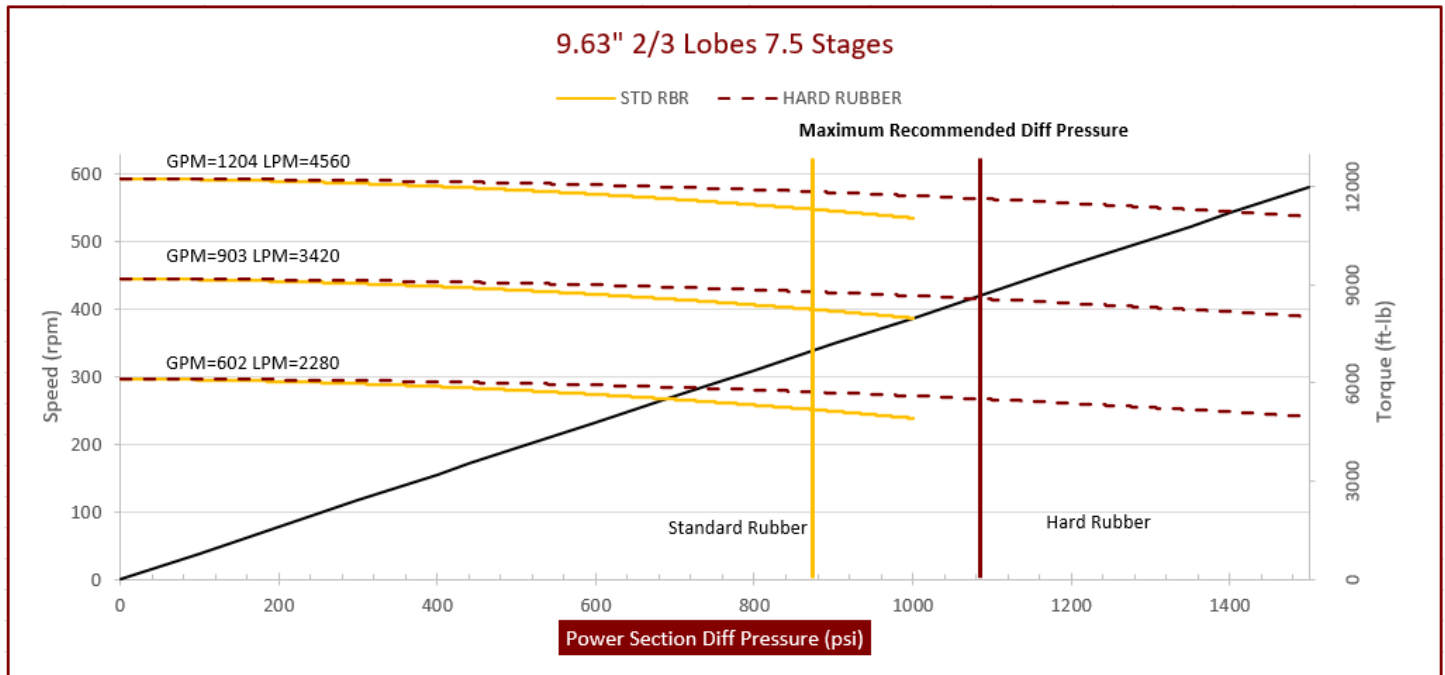
| FBH<br>SETTING | SLICK HOUSING |         |         | STABILIZED HOUSING<br>1/8" UNDERGAGE |         |         |
|----------------|---------------|---------|---------|--------------------------------------|---------|---------|
|                | HOLE SIZE     |         |         | HOLE SIZE                            |         |         |
| DEG            | 12-1/4"       | 14 3/4" | 17 1/2" | 12-1/4"                              | 14 3/4" | 17 1/2" |
| 0.25           | 1.32          | 0.60    | 0.11    | 2.55                                 | 3.75    | 5.08    |
| 0.50           | 2.65          | 1.59    | 0.79    | 3.87                                 | 5.07    | 6.41    |
| 0.75           | 3.97          | 2.78    | 1.98    | 5.19                                 | 6.40    | 7.73    |
| 1.00           | 5.30          | 3.60    | 2.91    | 6.52                                 | 7.72    | 9.06    |
| 1.25           | 6.62          | 4.63    | 3.64    | 7.84                                 | 9.04    | 10.38   |
| 1.50           | 7.94          | 5.56    | 4.44    | 9.17                                 | 10.37   | 11.70   |
| 1.75           | 9.27          | 6.48    | 5.56    | 10.49                                | 11.69   | 13.03   |
| 2.00           | 10.59         | 8.47    | 6.35    | 11.81                                | 13.02   | 14.35   |
| 2.25           | 11.92         | 9.76    | 7.74    | 13.14                                | 14.34   | 15.68   |
| 2.50           | 13.24         | 10.85   | 9.52    | 14.46                                | 15.66   | 17.00   |
| 2.75           | 14.56         | 11.93   | 10.48   | 15.79                                | 16.99   | 18.32   |
| 3.00           | 15.89         | 13.02   | 11.43   | 17.11                                | 18.31   | 19.63   |

**POWER SECTION PERFORMANCE SPECIFICATIONS**

|                         |                |                 |
|-------------------------|----------------|-----------------|
| <b>Torque Slope</b>     | 7.85 ft-lb/psi | 1.544 N.m/kPa   |
| <b>Flow Range</b>       | 602 - 1204 GPM | 2,280-4,560 LPM |
| <b>Rotation</b>         | 0.493 Rev/Gal  |                 |
| <b>Speed Range</b>      | 297-594 RPM    |                 |
| <b>Off Bottom Press</b> | 215 psi        | 1,485 kPa       |

**POWER SECTION PERFORMANCE DETAILS**

|                                   | PREM RUBBER     | HARD RUBBER     |
|-----------------------------------|-----------------|-----------------|
| <b>Max Diff Press psi (kPa)</b>   | 870 (6,000)     | 1,087 (7,500)   |
| <b>Max Torque ft-lb (Nm)</b>      | 6,831 (9,261)   | 8,538 (11,576)  |
| <b>Stall Diff Press psi (kPa)</b> | 1,305 (9,000)   | 1,631 (11,250)  |
| <b>Stall Torque ft-lb (Nm)</b>    | 10,246 (13,892) | 12,807 (17,365) |
| <b>Max Recommended HP (kW)</b>    | 693(517)        | 866 (646)       |



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance curves are for reference only. Actual power section performance may vary depending on the down hole temperature and rotor/stator fit. Performance data are subject to change without notice.