



## 6-3/4" 6/7 Lobes 5.0 Stages

### MECHANICAL PERFORMANCE

|                      |                        |          |
|----------------------|------------------------|----------|
| Max. Weight on Bit   | 75,000 lbs             | 334 kN   |
| Max. Pull to Re-Run  | 225,000 lbs            | 1,000 kN |
| Pull to Yield        | 650,000 lbs            | 2,891 kN |
| Bit to Bend (ABH)    | 72 in                  | 1,833 mm |
| Bit to Bend (FBH)    | 57 in                  | 1,450 mm |
| Weight               | 2,400lbs               | 1,088 kg |
| Length               | 27 ft                  | 8.23 m   |
| Top Connection (Box) | 4 1/2" XH; 4 1/2" IF   |          |
| Bit Connection (Box) | 4 1/2" Reg; 6 5/8" Reg |          |

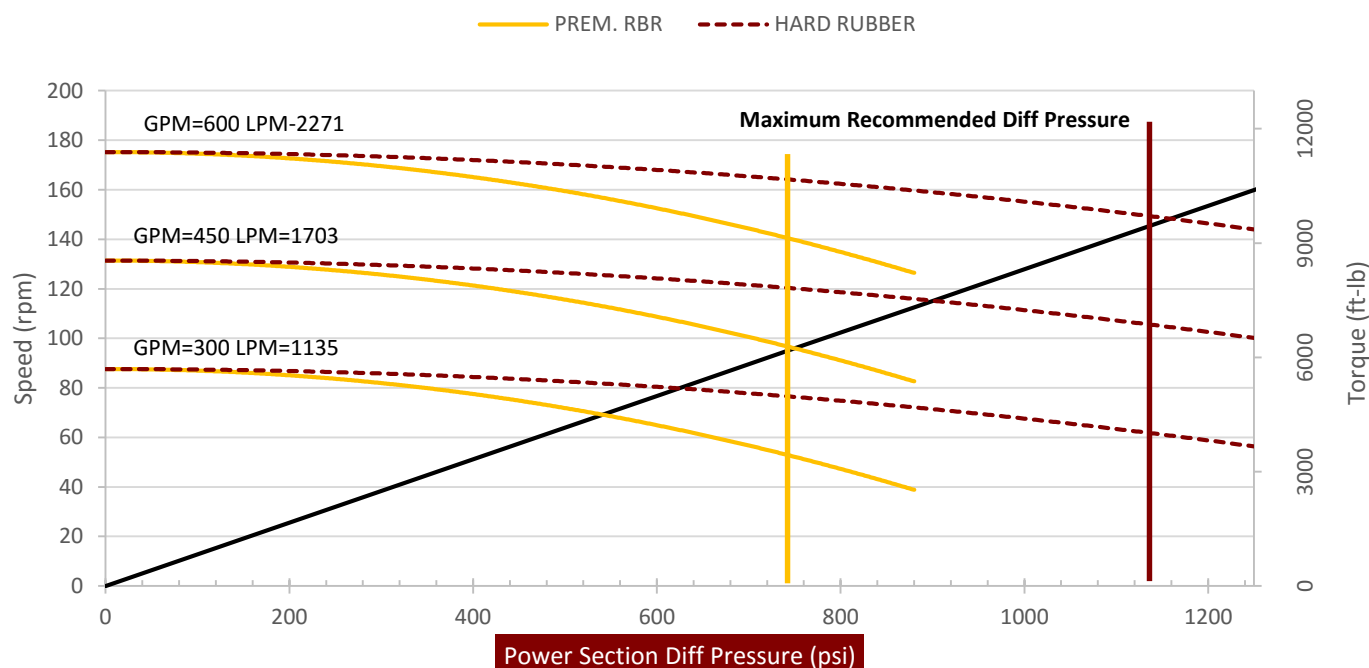
| ABH<br>SETTING | SLICK HOUSING |        |        | STABILIZED HOUSING<br>1/8" UNDERGAGE |        |        |
|----------------|---------------|--------|--------|--------------------------------------|--------|--------|
|                | HOLE SIZE     |        |        | HOLE SIZE                            |        |        |
| DEG            | 8 1/2"        | 8 3/4" | 9 7/8" | 8 1/2"                               | 8 3/4" | 9 7/8" |
| 0.39           | 0.00          | 0.00   | 0.00   | 3.90                                 | 3.70   | 3.00   |
| 0.78           | 3.30          | 2.70   | 0.00   | 6.40                                 | 6.20   | 5.50   |
| 1.15           | 5.70          | 5.10   | 2.60   | 8.70                                 | 8.60   | 7.90   |
| 1.50           | 7.90          | 7.30   | 4.80   | 11.00                                | 10.80  | 10.10  |
| 1.83           | 10.00         | 9.40   | 6.90   | 13.10                                | 12.90  | 12.20  |
| 2.12           | 11.90         | 11.30  | 8.80   | 14.90                                | 14.80  | 14.10  |
| 2.38           | 13.50         | 13.00  | 10.40  | 16.60                                | 16.40  | 15.80  |
| 2.60           | 14.90         | 14.40  | 11.80  | 18.00                                | 17.80  | 17.20  |
| 2.77           | 16.00         | 15.40  | 12.90  | 19.10                                | 18.90  | 18.30  |
| 2.89           | 16.80         | 16.20  | 13.70  | 19.80                                | 19.70  | 19.00  |
| 2.97           | 17.30         | 16.70  | 14.20  | 20.40                                | 20.20  | 19.50  |
| 3.00           | 17.50         | 16.90  | 14.40  | 20.60                                | 20.40  | 19.70  |

### POWER SECTION PERFORMANCE SPECIFICATIONS

### POWER SECTION PERFORMANCE DETAILS

|                  |                 |                 | PREM. RUBBER               |                | HARD RUBBER     |  |
|------------------|-----------------|-----------------|----------------------------|----------------|-----------------|--|
| Torque Slope     | 8.313 ft-lb/psi | 1.635 Nm/kPa    | Max Diff Press psi (kPa)   | 750 (5,170)    | 1,130 (7,760)   |  |
| Flow Range       | 300 - 600 GPM   | 1,135-2,271 LPM | Max Torque ft-lb (Nm)      | 6,230 (8,450)  | 9,350 (12,680)  |  |
| Rotation         | 0.31 Rev/Gal    |                 | Stall Diff Press psi (kPa) | 1,130 (7,760)  | 1,690 (11,630)  |  |
| Speed Range      | 87-180 RPM      |                 | Stall Torque ft-lb (Nm)    | 9,350 (12,680) | 14,030 (19,020) |  |
| Off Bottom Press | 110 psi         | 760 kPa         | Max Recommended HP (kW)    | 208 (155)      | 290 (216)       |  |

## 6.75" 6/7 Lobes 5.0 Stages



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.