



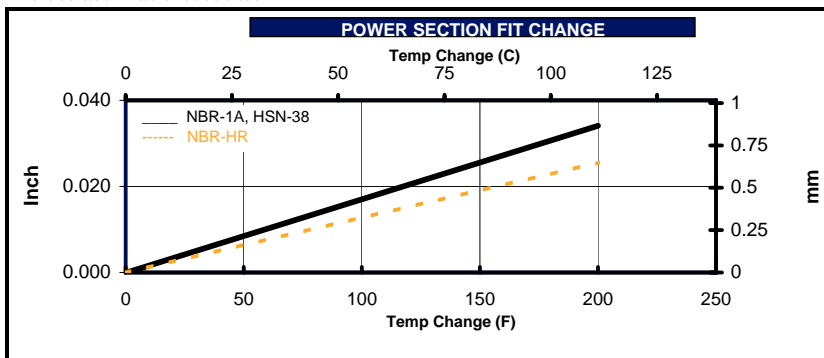
## POWER SECTION

| ROTOR SPECIFICATIONS |                     |       |
|----------------------|---------------------|-------|
|                      | Inch                | mm    |
| Overall Length       | 117.0               | 2972  |
| Contour Length       | 113.0               | 2870  |
| Eccentricity         | 0.119               | 3.02  |
| Major Diameter       | 2.144               | 54.46 |
| Head Diameter        | 2.000               | 50.80 |
| Weight               | 95 (lbs) 43.1 (kg)  |       |
| Material             | 17-4SS              |       |
| Thread Form*         | 1.375 - 6 STUB ACME |       |

| STATOR SPECIFICATIONS |                        |      |
|-----------------------|------------------------|------|
|                       | Inch                   | mm   |
| Overall Length        | 133.8                  | 3397 |
| Rubber Cut Back       | 5.8                    | 146  |
| Tube O.D.             | 3.50                   | 88.9 |
| Tube I.D.             | 2.75                   | 69.9 |
| Weight                | 151 (lbs) 68 (kg)      |      |
| Number of Stages      | 4.30                   |      |
| Rubber Type           | NBR-1A, HSN-38, NBR-HR |      |
| Tube Material         | 4142 Seamless Tubing   |      |

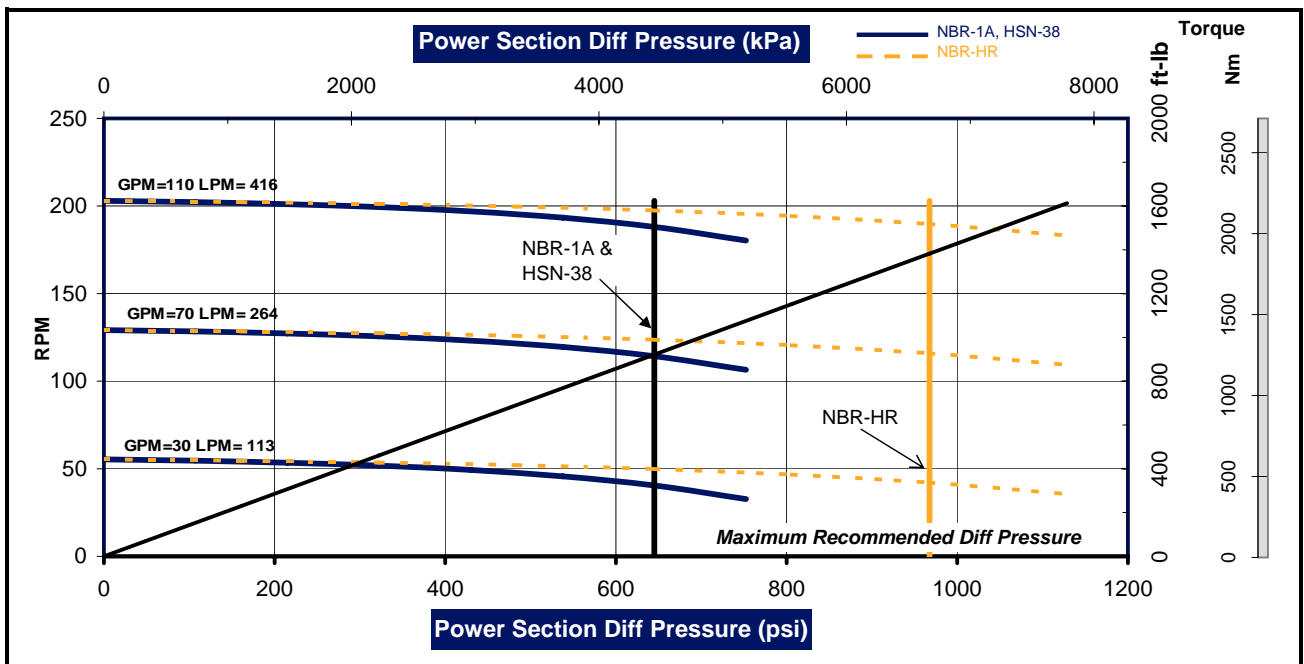
| FIT INFORMATION            |                |       |
|----------------------------|----------------|-------|
| NBR-1A & HSN-38            | Minor Diameter |       |
| Stator Size                | Inch           | mm    |
| Standard                   | 1.886          | 47.90 |
| Oversize                   | 1.904          | 48.36 |
| Double Oversize            |                |       |
| Nominal Fit at 75 F (25 C) |                |       |
| Standard                   | 0.020          | 0.51  |
| Oversize                   | 0.002          | 0.05  |
| Double Oversize            |                |       |

\* Alternate or custom thread forms are available



| FIT INFORMATION            |                |       |
|----------------------------|----------------|-------|
| NBR-HR                     | Minor Diameter |       |
| Stator Size                | Inch           | mm    |
| Undersize                  |                |       |
| Standard                   | 1.888          | 47.96 |
| Oversize                   |                |       |
| Nominal Fit at 75 F (25 C) |                |       |
| Undersize                  |                |       |
| Standard                   | 0.018          | 0.46  |
| Oversize                   |                |       |

| PERFORMANCE SPECIFICATIONS |                                    |  | PERFORMANCE DETAILS        |             |              |
|----------------------------|------------------------------------|--|----------------------------|-------------|--------------|
|                            |                                    |  | NBR-1A AND HSN-38          | NBR-HR      |              |
| Torque Slope               | 1.429 ft-lb/psi 0.281 Nm/kPa       |  | Max Diff Press psi (kPa)   | 650 (4450)  | 970 (6670)   |
| Flow Range                 | 30 to 110 GPM 110 to 420 Litre/min |  | Max Torque ft-lb (Nm)      | 920 (1250)  | 1380 (1870)  |
| Rotation                   | 1.846 Rev/Gal 0.488 Rev/Litre      |  | Stall Diff Press psi (kPa) | 970 (6670)  | 1450 (10010) |
| Speed Range                | 55 to 210 RPM                      |  | Stall Torque ft-lb (Nm)    | 1380 (1870) | 2070 (2810)  |
| Off Bottom Press           | 46 psi 320 kPa                     |  | Max Recommended HP(kW)     | 33 (25)     | 52 (39)      |



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. Power calculation is based on maximum RPM and full torque. Stator sizes subject to change without notice. Copyright 2008 Dyna-Drill® Technologies, Inc. All rights reserved.