

POWER SECTION

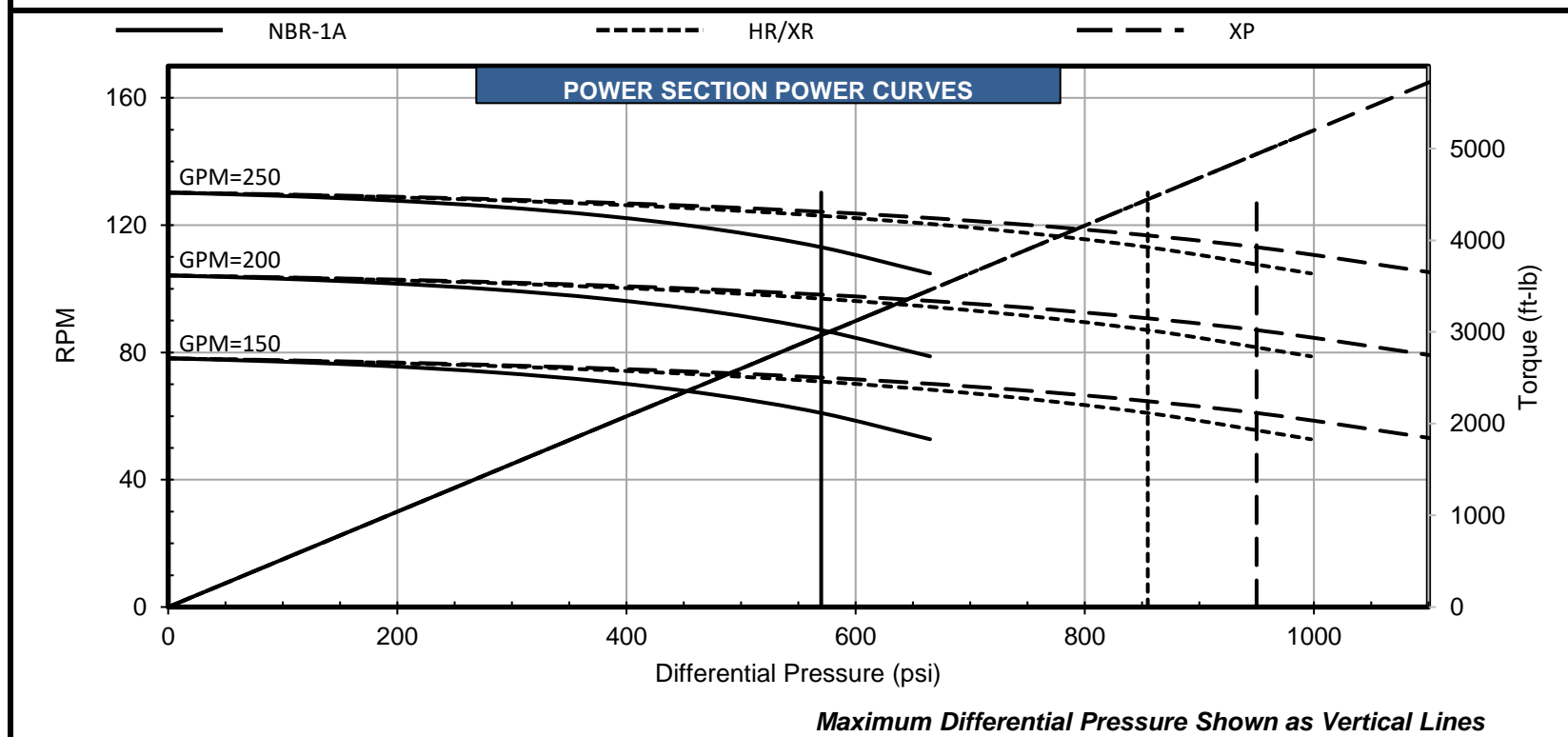
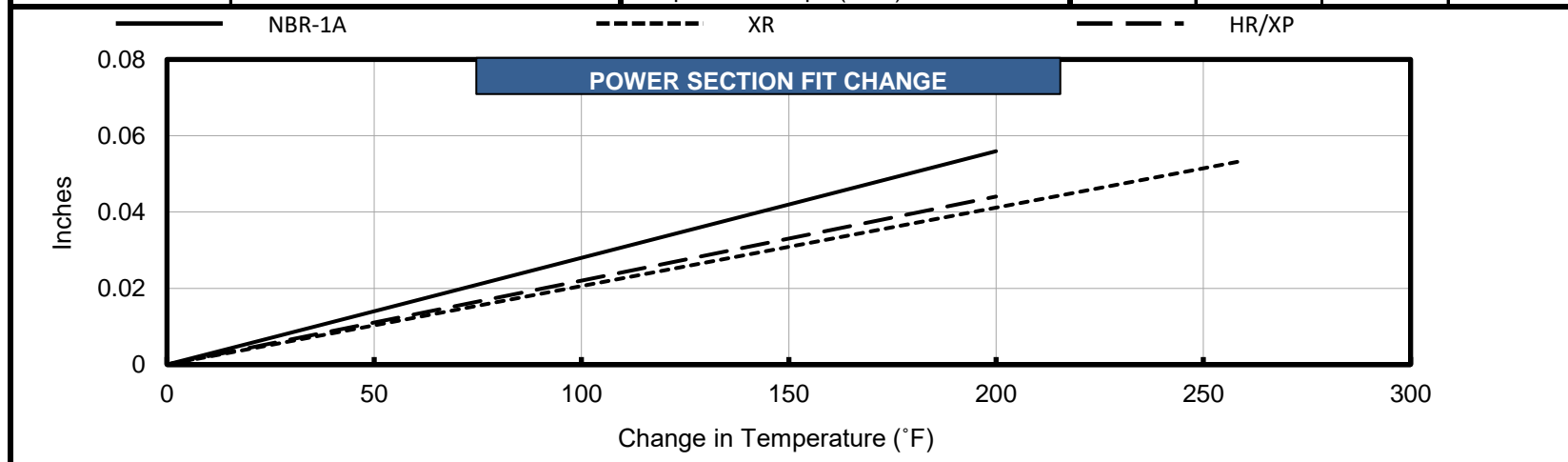
| FIT INFORMATION - MINOR DIAMETER (in) | | | | |
|---------------------------------------|--------|-----------|--------|---------|
| Stator Size | NBR-1A | DynaPower | | |
| | | XR | HR | XP |
| 1 Undersize | | | 2.596 | 2.596* |
| Standard | 2.606 | 2.620 | 2.610 | 2.610* |
| 1 Oversize | 2.622 | 2.634 | 2.624 | 2.624* |
| 2 Oversize | 2.638 | 2.651* | 2.651 | 2.651* |
| 3 Oversize | 2.663 | | | |
| Nominal Fit at 75°F | | | | |
| 1 Undersize | | | 0.023 | 0.023* |
| Standard | 0.013 | -0.001 | 0.009 | 0.009* |
| 1 Oversize | -0.003 | -0.015 | -0.005 | -0.005* |
| 2 Oversize | -0.019 | -0.032* | -0.032 | -0.032* |
| 3 Oversize | -0.044 | | | |

| ROTOR SPECIFICATIONS | | STATOR SPECIFICATIONS | |
|----------------------|---|-----------------------|-------|
| | (in) | | (in) |
| Overall Length | 178.0 | Overall Length | 187.0 |
| Contour Length | 172.3 | Rubber Cutback #1** | 8.0 |
| Eccentricity | 0.163 | Rubber Cutback #2** | 8.0 |
| Major Diameter | 2.945 | Tube O.D. | 4.75 |
| Head Diameter | 2.750 | Tube I.D. | 3.75 |
| Weight (lb) | 240 | Weight (lb) | 384 |
| Material | 17-4SS | Number of Stages | 3.8 |
| Thread Form** | 2 3/8 Hughes External Flush Mod Flat | | |

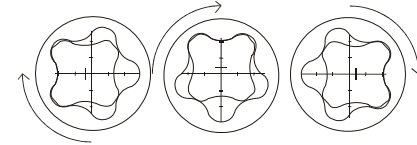
*Pending production measurements

** Alternate or custom thread forms and cutbacks are available upon request

| PERFORMANCE SPECIFICATIONS | | | | | | |
|----------------------------|-----------------|---------------------------|----------|----------|----------|----------|
| | | | NBR-1A | XR | HR | XP |
| Torque Slope | 5.200 ft-lb/psi | Max. Diff. Press. (psi) | 570 | 860 | 860 | 950 |
| Flow Range | 150 to 250 GPM | Max. Torque (ft-lb) | 2960 | 4450 | 4450 | 4940 |
| RPG | 0.521 rev/gal | Stall Diff. Press. (psi) | 860 | 1280 | 1280 | 1430 |
| Speed Range | 78 to 130 RPM | Stall Torque (ft-lb) | 4450 | 6670 | 6670 | 7410 |
| Off Bottom Press. | 71 psi | Max. Recommended (HP) | 64 | 96 | 96 | 106 |
| | | PSI Per Stage | 150 | 225 | 225 | 250 |
| | | PSI Per Cavity | 24 | 37 | 37 | 41 |
| | | Temperature Slope (in/°F) | 0.000280 | 0.000206 | 0.000220 | 0.000220 |



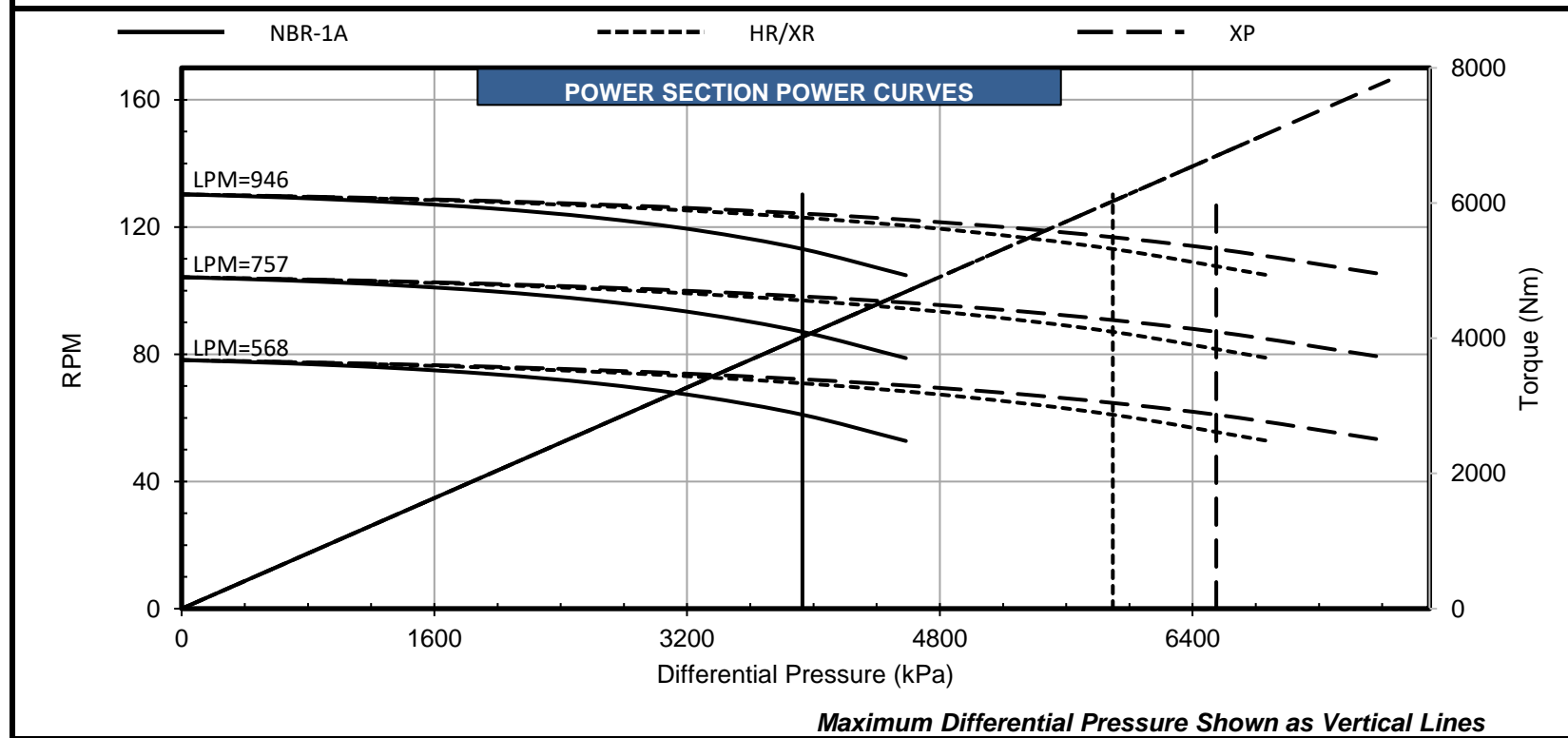
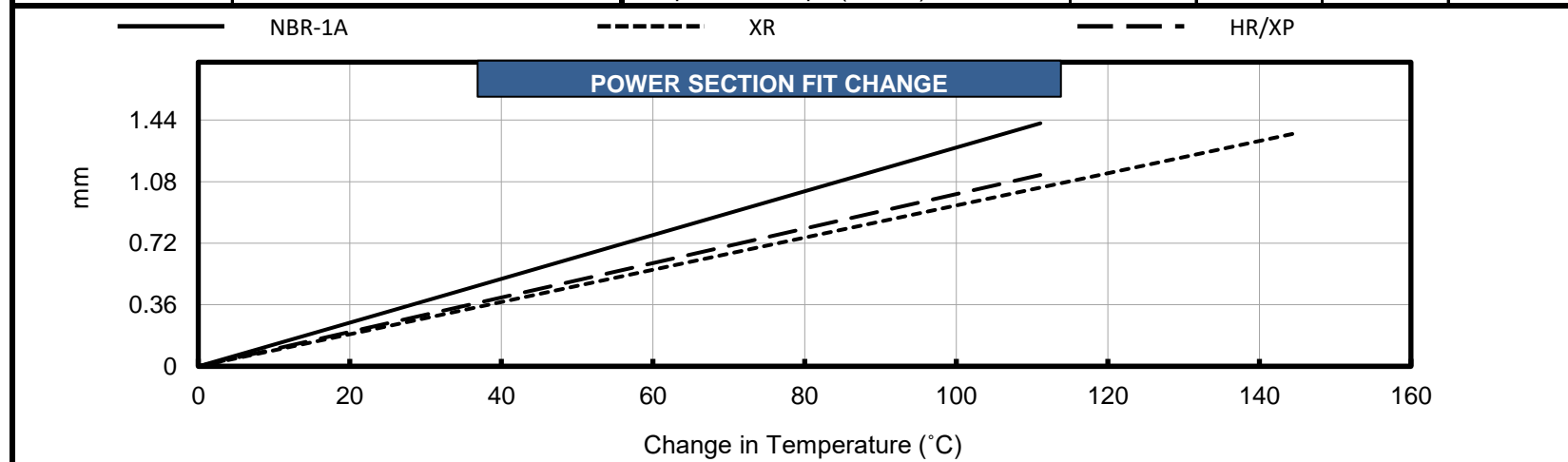
Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance curves are for reference only. Actual power section performance may vary depending on the down hole temperature and rotor/stator fit. Performance data are subject to change without notice.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



POWER SECTION

| FIT INFORMATION - MINOR DIAMETER (mm) | | | | | ROTOR SPECIFICATIONS | | STATOR SPECIFICATIONS | |
|---------------------------------------|--------|-----------|-------|--------|---|---|-----------------------|--------|
| Stator Size | NBR-1A | DynaPower | | | (mm) | (mm) | (mm) | (mm) |
| | | XR | HR | XP | | | | |
| 1 Undersize | | | 65.94 | 65.94* | Overall Length | 4521.2 | Overall Length | 4749.8 |
| Standard | 66.19 | 66.55 | 66.29 | 66.29* | Contour Length | 4376.4 | Rubber Cutback #1** | 203.2 |
| 1 Oversize | 66.60 | 66.90 | 66.65 | 66.65* | Eccentricity | 4.14 | Rubber Cutback #2** | 203.2 |
| 2 Oversize | 67.01 | 67.34* | 67.34 | 67.34* | Major Diameter | 74.80 | Tube O.D. | 120.7 |
| 3 Oversize | 67.64 | | | | Head Diameter | 69.85 | Tube I.D. | 95.3 |
| Nominal Fit at 75°F | | | | | Weight (kg) | 109 | Weight (kg) | 174 |
| 1 Undersize | | | 0.58 | 0.58* | Material | 17-4SS | Number of Stages | 3.8 |
| Standard | 0.33 | -0.03 | 0.23 | 0.23* | Thread | 2 3/8 Hughes External Flush Mod Flat | | |
| 1 Oversize | -0.08 | -0.38 | -0.13 | -0.13* | *Pending production measurements | | | |
| 2 Oversize | -0.48 | -0.81* | -0.81 | -0.81* | ** Alternate or custom thread forms and cutbacks are available upon request | | | |
| 3 Oversize | -1.12 | | | | | | | |

| PERFORMANCE SPECIFICATIONS | | | | | | | |
|----------------------------|----------------------|---------------------------|--------|--------|--------|--------|--|
| | | | NBR-1A | XR | HR | XP | |
| Torque Slope | 1.023 Nm/kPa | Max. Diff. Press. (kPa) | 3930 | 5929 | 5929 | 6550 | |
| Flow Range | 568 to 946 Litre/min | Max. Torque (Nm) | 4013 | 6033 | 6033 | 6698 | |
| RPG | 0.138 rev/litre | Stall Diff. Press. (kPa) | 5929 | 8825 | 8825 | 9860 | |
| Speed Range | 78 to 130 RPM | Stall Torque (Nm) | 6033 | 9043 | 9043 | 10047 | |
| Off Bottom Press. | 490 kPa | Max. Recommended (kW) | 48 | 71 | 71 | 79 | |
| | | kPa Per Stage | 1034 | 1551 | 1551 | 1724 | |
| | | kPa Per Cavity | 165 | 255 | 255 | 283 | |
| | | Temperature Slope (mm/°C) | 0.0128 | 0.0094 | 0.0101 | 0.0101 | |



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