

POWER SECTION

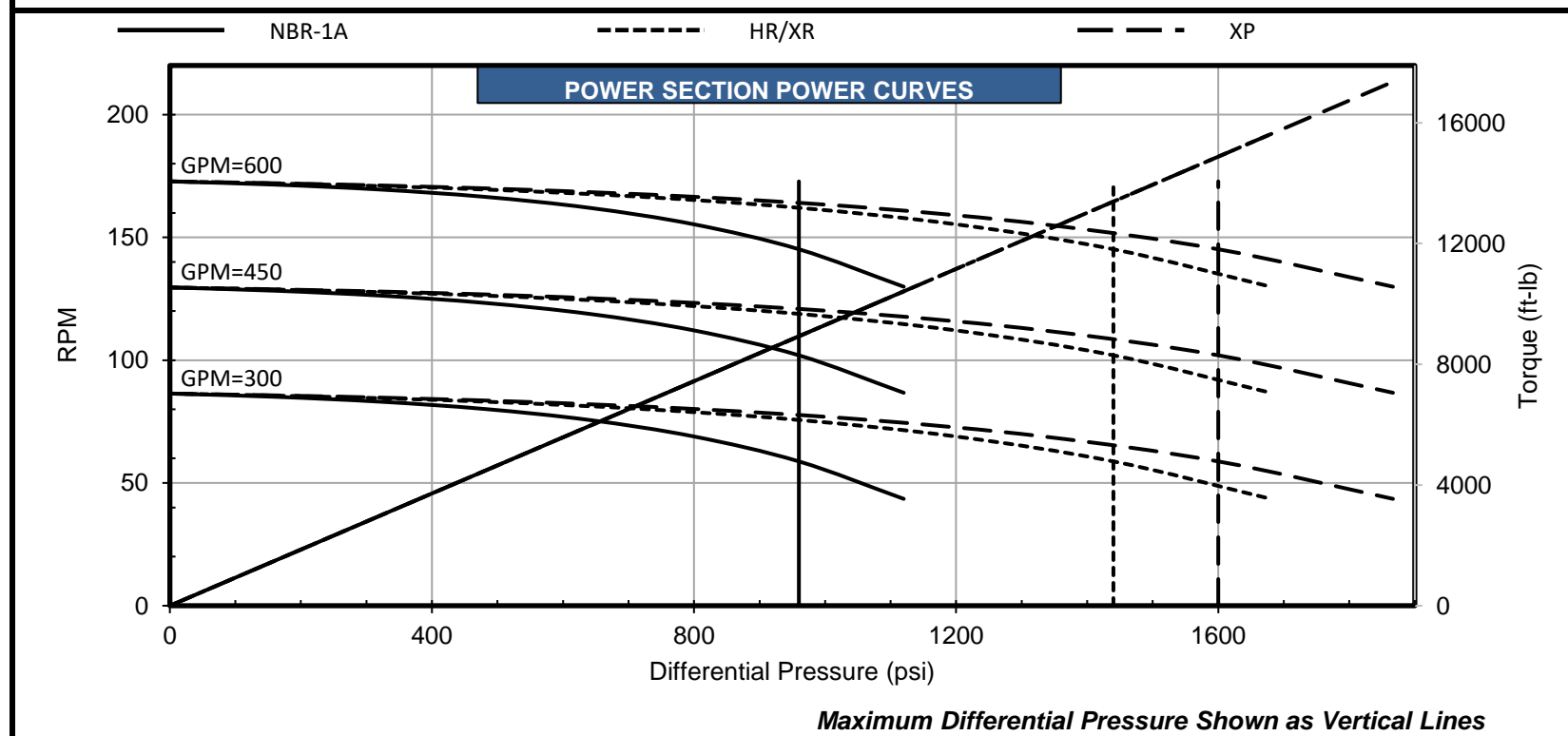
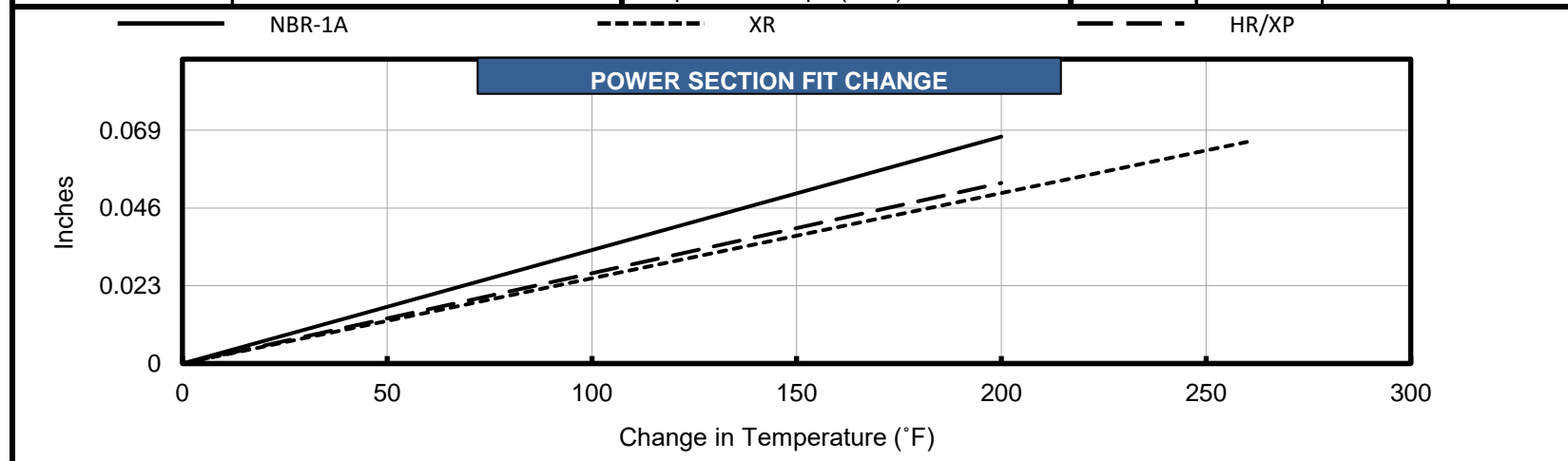
| FIT INFORMATION - MINOR DIAMETER (in) | | | | |
|---------------------------------------|--------|-----------|--------|---------|
| Stator Size | NBR-1A | DynaPower | | |
| | | XR | HR | XP |
| 0.5 Undersize | | | 3.986 | 3.986* |
| Standard | | 3.995* | 3.995 | 3.990 |
| 0.5 Oversize | | | 4.005 | 4.005* |
| 1 Oversize | 4.005 | | 4.008 | 4.008* |
| 2 Oversize | | 4.020* | 4.020 | 4.020* |
| Nominal Fit at 75°F | | | | |
| 0.5 Undersize | | | 0.022 | 0.022* |
| Standard | | 0.013* | 0.013 | 0.018 |
| 0.5 Oversize | | | 0.003 | 0.003* |
| 1 Oversize | 0.003 | | 0.000 | 0.000* |
| 2 Oversize | | -0.012* | -0.012 | -0.012* |

| ROTOR SPECIFICATIONS | | STATOR SPECIFICATIONS | |
|----------------------|---------------|-----------------------|-------|
| | (in) | | (in) |
| Overall Length | 238.7 | Overall Length | 245.2 |
| Contour Length | 232.0 | Rubber Cutback #1** | 7.3 |
| Eccentricity | 0.256 | Rubber Cutback #2** | 7.3 |
| Major Diameter | 4.520 | Tube O.D. | 6.75 |
| Head Diameter | 4.000 | Tube I.D. | 5.50 |
| Weight (lb) | 686 | Weight (lb) | 924 |
| Material | 17-4SS | Number of Stages | 6.4 |
| Thread Form** | 2 7/8 API REG | | |

*Pending production measurements

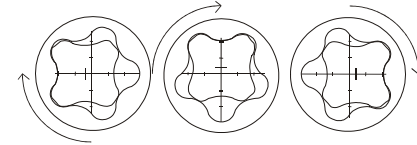
** Alternate or custom thread forms and cutbacks are available upon request

| PERFORMANCE SPECIFICATIONS | | | | | | |
|----------------------------|-----------------|---------------------------|----------|----------|----------|----------|
| | | | NBR-1A | XR | HR | XP |
| Torque Slope | 9.300 ft-lb/psi | Max. Diff. Press. (psi) | 960 | 1440 | 1440 | 1600 |
| Flow Range | 300 to 600 GPM | Max. Torque (ft-lb) | 8930 | 13390 | 13390 | 14880 |
| RPG | 0.288 rev/gal | Stall Diff. Press. (psi) | 1440 | 2160 | 2160 | 2400 |
| Speed Range | 86 to 173 RPM | Stall Torque (ft-lb) | 13390 | 20090 | 20090 | 22320 |
| Off Bottom Press. | 140 psi | Max. Recommended (HP) | 247 | 370 | 370 | 411 |
| | | PSI Per Stage | 150 | 225 | 225 | 250 |
| | | PSI Per Cavity | 22 | 33 | 33 | 36 |
| | | Temperature Slope (in/°F) | 0.000335 | 0.000252 | 0.000267 | 0.000267 |



Maximum Differential Pressure Shown as Vertical Lines

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.



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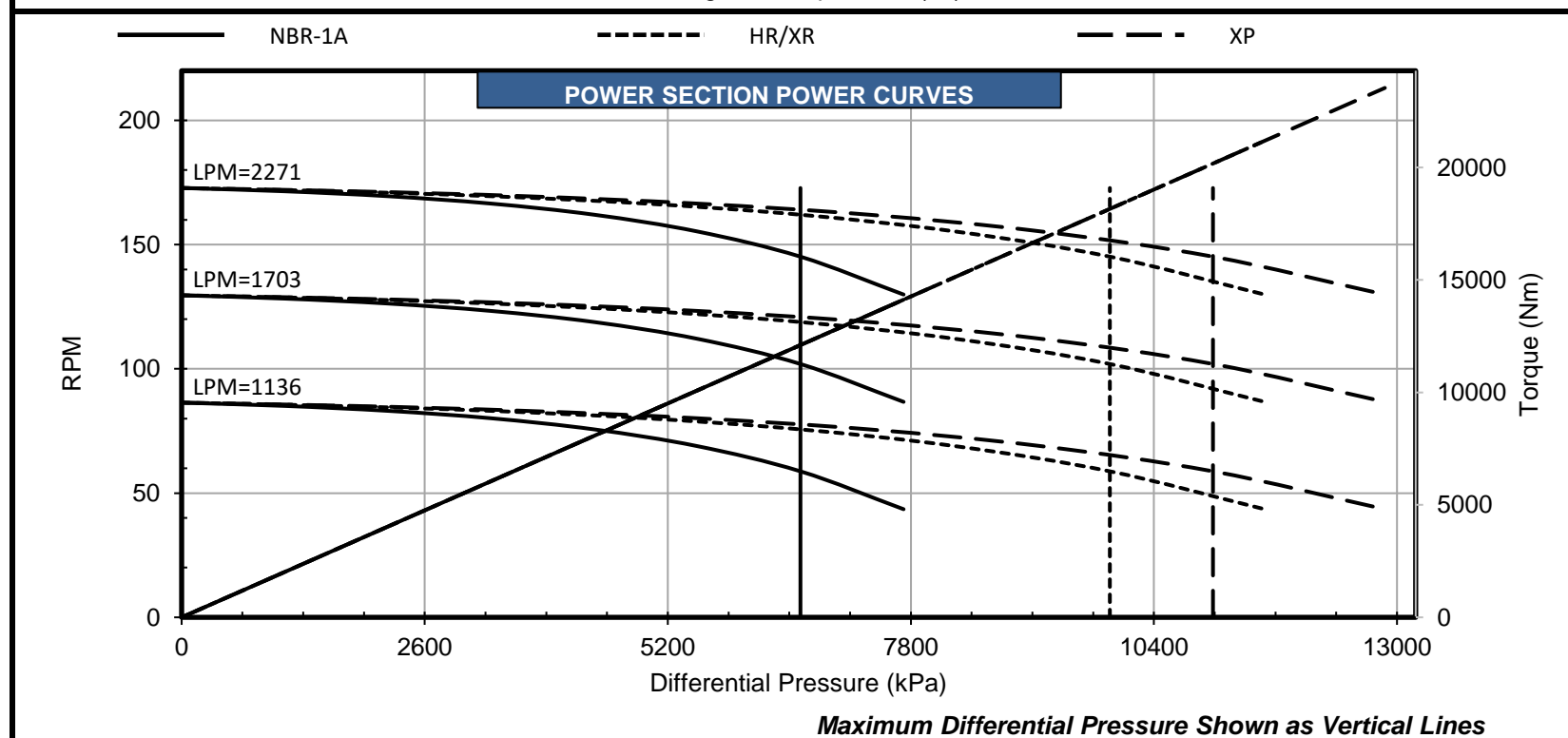
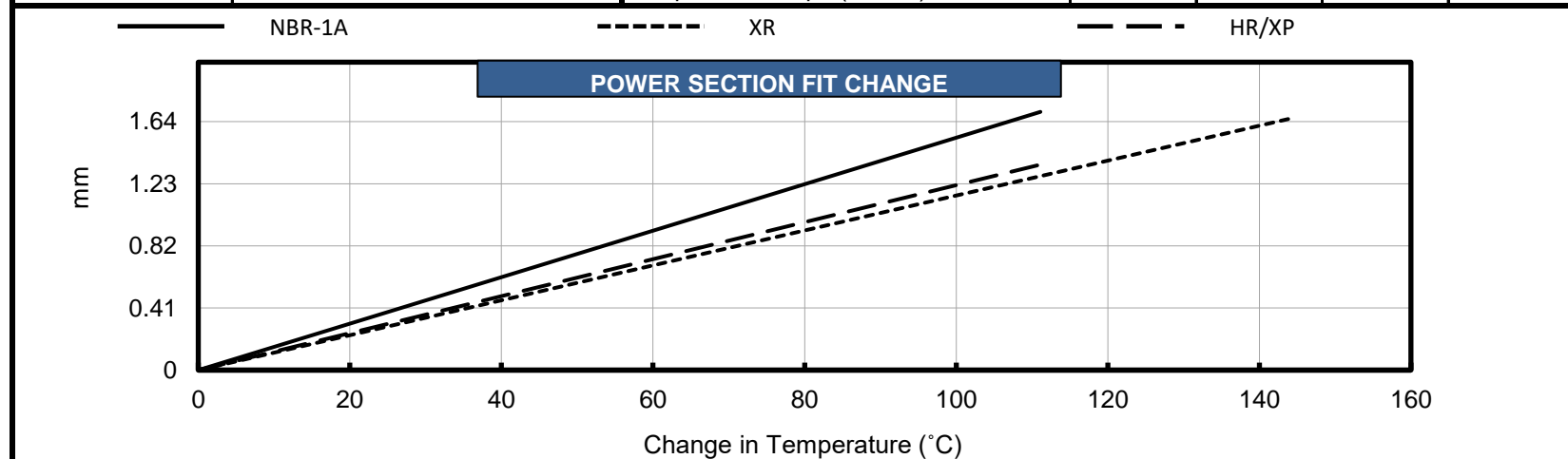
| FIT INFORMATION - MINOR DIAMETER (mm) | | | | |
|---------------------------------------|--------|-----------|--------|---------|
| Stator Size | NBR-1A | DynaPower | | |
| | | XR | HR | XP |
| 0.5 Undersize | | | 101.24 | 101.24* |
| Standard | | 101.47* | 101.47 | 101.35 |
| 0.5 Oversize | | | 101.73 | 101.73* |
| 1 Oversize | 101.73 | | 101.80 | 101.80* |
| 2 Oversize | | 102.11* | 102.11 | 102.11* |
| Nominal Fit at 75°F | | | | |
| 0.5 Undersize | | | 0.56 | 0.56* |
| Standard | | 0.33* | 0.33 | 0.46 |
| 0.5 Oversize | | | 0.08 | 0.08* |
| 1 Oversize | 0.08 | | 0.00 | 0.00* |
| 2 Oversize | | -0.30* | -0.30 | -0.30* |

| ROTOR SPECIFICATIONS | | STATOR SPECIFICATIONS | |
|----------------------|---------------|-----------------------|--------|
| | (mm) | | (mm) |
| Overall Length | 6063.0 | Overall Length | 6228.1 |
| Contour Length | 5892.8 | Rubber Cutback #1** | 185.4 |
| Eccentricity | 6.50 | Rubber Cutback #2** | 185.4 |
| Major Diameter | 114.81 | Tube O.D. | 171.5 |
| Head Diameter | 101.60 | Tube I.D. | 139.7 |
| Weight (kg) | 311 | Weight (kg) | 419 |
| Material | 17-4SS | Number of Stages | 6.4 |
| Thread Form** | 2 7/8 API REG | | |

*Pending production measurements

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

| PERFORMANCE SPECIFICATIONS | | | | | | |
|----------------------------|------------------------|---------------------------|--------|--------|--------|--------|
| | | | NBR-1A | XR | HR | XP |
| Torque Slope | 1.829 Nm/kPa | Max. Diff. Press. (kPa) | 6619 | 9928 | 9928 | 11032 |
| Flow Range | 1136 to 2271 Litre/min | Max. Torque (Nm) | 12107 | 18154 | 18154 | 20175 |
| RPG | 0.076 rev/litre | Stall Diff. Press. (kPa) | 9928 | 14893 | 14893 | 16547 |
| Speed Range | 86 to 173 RPM | Stall Torque (Nm) | 18154 | 27238 | 27238 | 30262 |
| Off Bottom Press. | 965 kPa | Max. Recommended (kW) | 184 | 276 | 276 | 307 |
| | | kPa Per Stage | 1034 | 1551 | 1551 | 1724 |
| | | kPa Per Cavity | 152 | 228 | 228 | 248 |
| | | Temperature Slope (mm/°C) | 0.0153 | 0.0115 | 0.0122 | 0.0122 |



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