

POWER SECTION

| FIT INFORMATION - MINOR DIAMETER (in) | | | | |
|---------------------------------------|--------|-----------|--------|---------|
| Stator Size | NBR-1A | DynaPower | | |
| | | XR | HR | XP |
| 1 Undersize | | | 4.959 | 4.959* |
| Standard | 4.980 | | | |
| 0.5 Oversize | | | 4.981 | 4.980* |
| 1 Oversize | | | | |
| Nominal Fit at 75°F | | | | |
| 1 Undersize | | | 0.011 | 0.011* |
| Standard | -0.010 | | | |
| 0.5 Oversize | | | -0.011 | -0.010* |
| 1 Oversize | | | | |

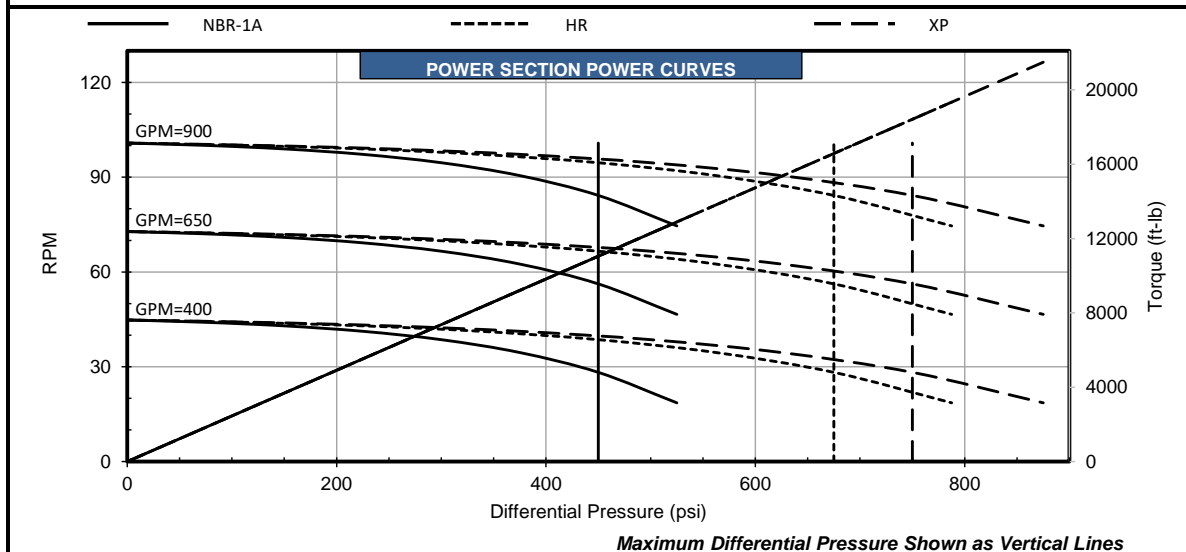
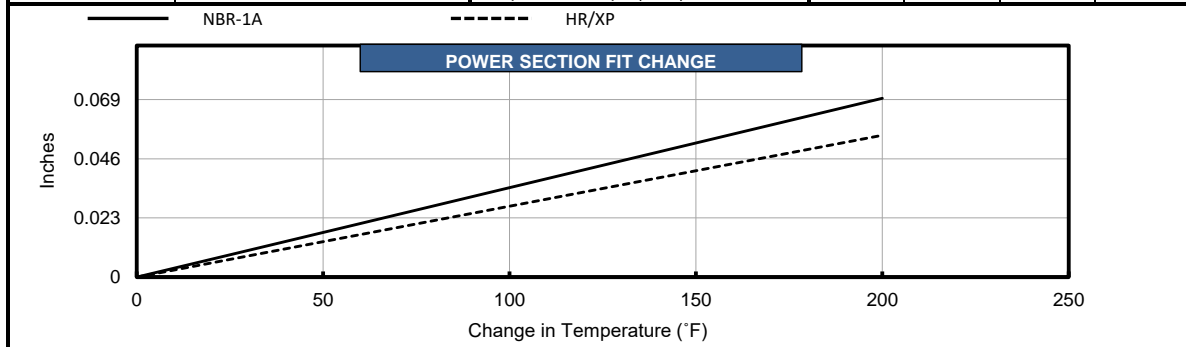
| ROTOR SPECIFICATIONS | | STATOR SPECIFICATIONS | |
|-----------------------|--------------|-----------------------|-------|
| Overall Length** (in) | 223.0 | Overall Length (in) | 234.0 |
| Contour Length** (in) | 214.0 | Cutback #1** (in) | 11.0 |
| Eccentricity (in) | 0.238 | Cutback #2** (in) | 11.0 |
| Major Diameter (in) | 5.446 | Tube O.D. (in) | 8.00 |
| Weight (lb) | 1137 | Tube I.D. (in) | 6.50 |
| Head Diameter*** (in) | 4.750 | Weight (lb) | 1248 |
| Material** | 17-4SS | | |
| Thread Form*** | 3 1/2 API IF | | |

**Representative options given. Verify specific requirements before placing order.

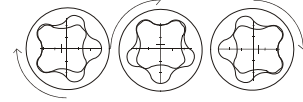
***Customer specified

*Pending production measurements

| PERFORMANCE SPECIFICATIONS | | | | | | |
|----------------------------|------------------|---------------------------|----------|----|----------|----------|
| | | | NBR-1A | XR | HR | XP |
| Torque Slope | 24.556 ft-lb/psi | Max. Diff. Press. (psi) | 450 | | 680 | 750 |
| Flow Range | 400 to 900 GPM | Max. Torque (ft-lb) | 11050 | | 16580 | 18420 |
| RPG | 0.112 rev/gal | Stall Diff. Press. (psi) | 680 | | 1010 | 1130 |
| Speed Range | 45 to 101 RPM | Stall Torque (ft-lb) | 16580 | | 24860 | 27630 |
| Off Bottom Press. | 90 psi | Max. Recommended (HP) | 177 | | 266 | 295 |
| | | PSI Per Stage | 150 | | 225 | 250 |
| | | PSI Per Cavity | 21 | | 32 | 36 |
| | | Temperature Slope (in/°F) | 0.000348 | | 0.000276 | 0.000276 |



Performance characteristics are estimates based on nominal conditions and are for reference only. Actual performance may be affected by rotor/stator fit, temperature, and other operating conditions. The torque may exceed the capacity of connected components and threads. Operating above the recommended limits of either the power section or connected components may reduce product life and result in damage to the power section and connected components. Data is subject to change without notice.



POWER SECTION

| FIT INFORMATION - MINOR DIAMETER (mm) | | | | |
|---------------------------------------|--------|-----------|--------|---------|
| Stator Size | NBR-1A | DynaPower | | |
| | | XR | HR | XP |
| 1 Undersize | | | 125.96 | 125.96* |
| Standard | 126.49 | | | |
| 0.5 Oversize | | | 126.52 | 126.49* |
| 1 Oversize | | | | |
| Nominal Fit at 75°F | | | | |
| 1 Undersize | | | 0.28 | 0.28* |
| Standard | -0.25 | | | |
| 0.5 Oversize | | | -0.28 | -0.25* |
| 1 Oversize | | | | |

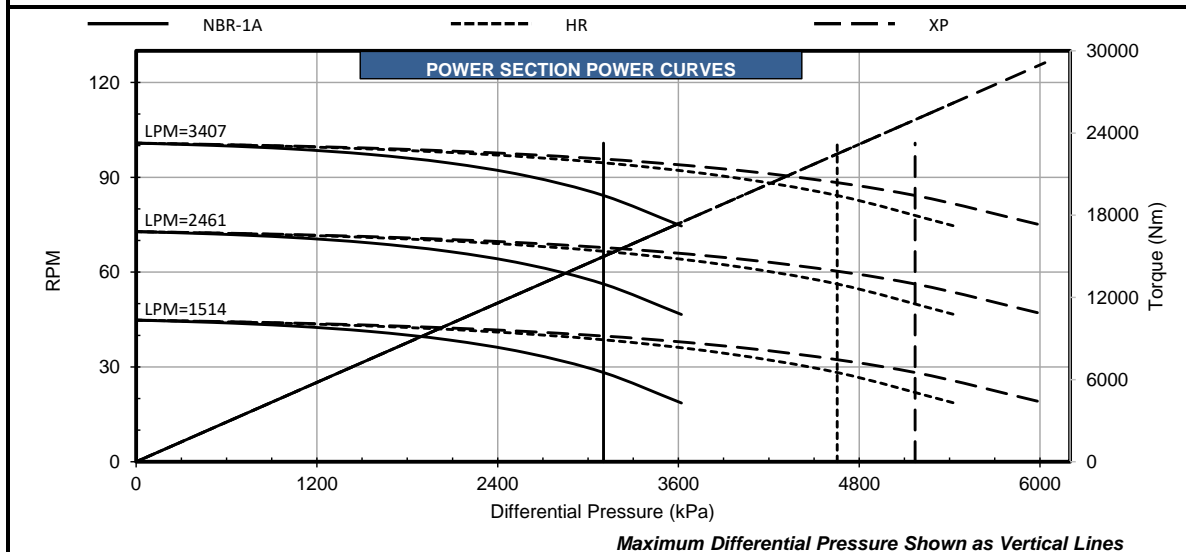
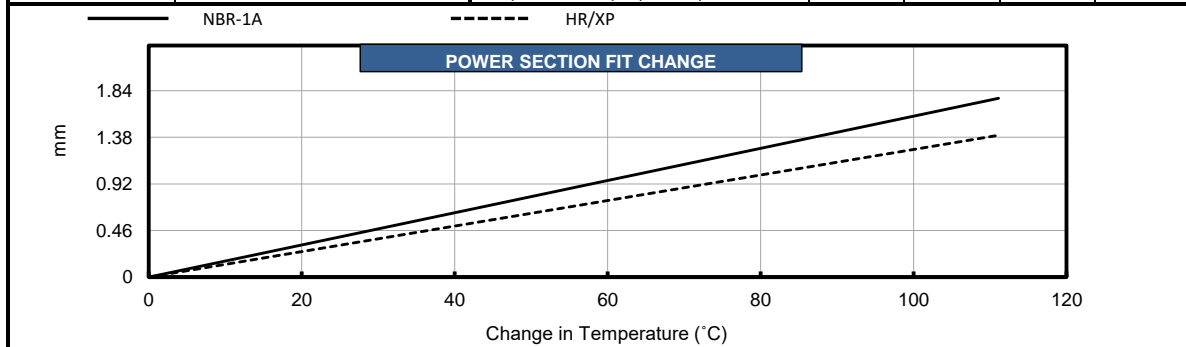
| ROTOR SPECIFICATIONS | | STATOR SPECIFICATIONS | |
|-----------------------|--------------|-----------------------|--------|
| Overall Length** (mm) | 5664.2 | Overall Length (mm) | 5943.6 |
| Contour Length** (mm) | 5435.6 | Cutback #1** (mm) | 279.4 |
| Eccentricity (mm) | 6.04 | Cutback #2** (mm) | 279.4 |
| Major Diameter (mm) | 138.33 | Tube O.D. (mm) | 203.2 |
| Weight (kg) | 516 | Tube I.D. (mm) | 165.1 |
| Head Diameter*** (mm) | 120.65 | Weight (kg) | 566 |
| Material** | 17-4SS | | |
| Thread Form*** | 3 1/2 API IF | | |

**Representative options given. Verify specific requirements before placing order.

***Customer specified

*Pending production measurements

| PERFORMANCE SPECIFICATIONS | | | | | | |
|----------------------------|------------------------|---------------------------|--------|----|--------|--------|
| | | | NBR-1A | XR | HR | XP |
| Torque Slope | 4.829 Nm/kPa | Max. Diff. Press. (kPa) | 3103 | | 4688 | 5171 |
| Flow Range | 1514 to 3407 Litre/min | Max. Torque (Nm) | 14982 | | 22479 | 24974 |
| RPG | 0.030 rev/litre | Stall Diff. Press. (kPa) | 4688 | | 6964 | 7791 |
| Speed Range | 45 to 101 RPM | Stall Torque (Nm) | 22479 | | 33706 | 37461 |
| Off Bottom Press. | 621 kPa | Max. Recommended (kW) | 132 | | 198 | 220 |
| | | kPa Per Stage | 1034 | | 1551 | 1724 |
| | | kPa Per Cavity | 145 | | 221 | 248 |
| | | Temperature Slope (mm/°C) | 0.0159 | | 0.0126 | 0.0126 |



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