

POWER SECTION

| FIT INFORMATION - MINOR DIAMETER (in) | | | | |
|---------------------------------------|--------|-----------|--------|---------|
| Stator Size | NBR-1A | DynaPower | | |
| | | XR | HR | XP |
| 1 Undersize | | | 2.737* | 2.737 |
| Standard | 2.744 | 2.759 | 2.746 | 2.752 |
| 1 Oversize | 2.762 | 2.773 | 2.763 | 2.763* |
| 2 Oversize | | | | |
| Nominal Fit at 75°F | | | | |
| 1 Undersize | | | 0.011* | 0.011 |
| Standard | 0.004 | -0.011 | 0.002 | -0.004 |
| 1 Oversize | -0.014 | -0.025 | -0.015 | -0.015* |
| 2 Oversize | | | | |

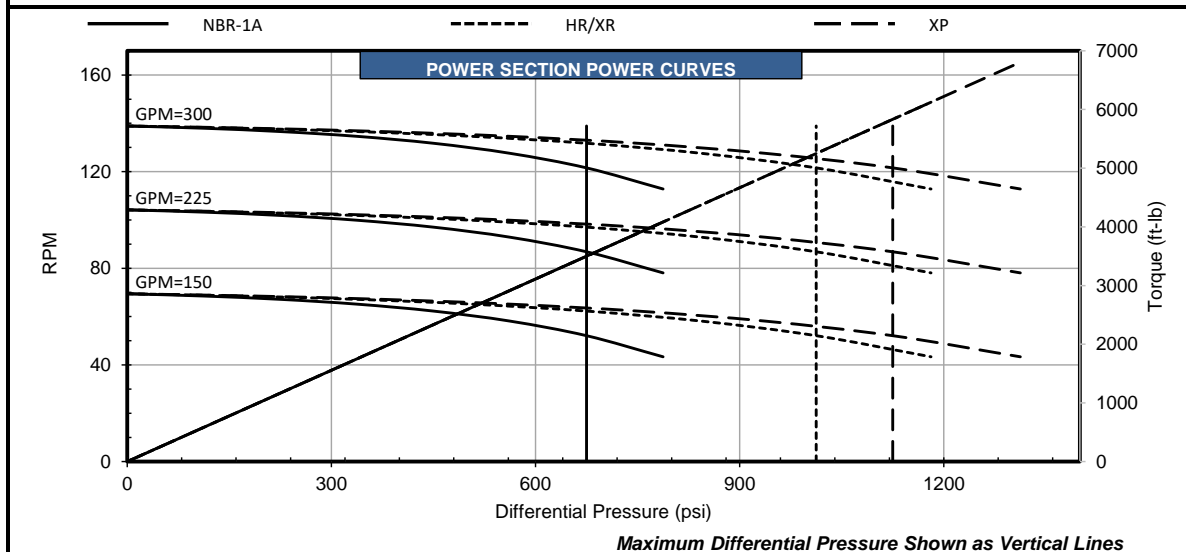
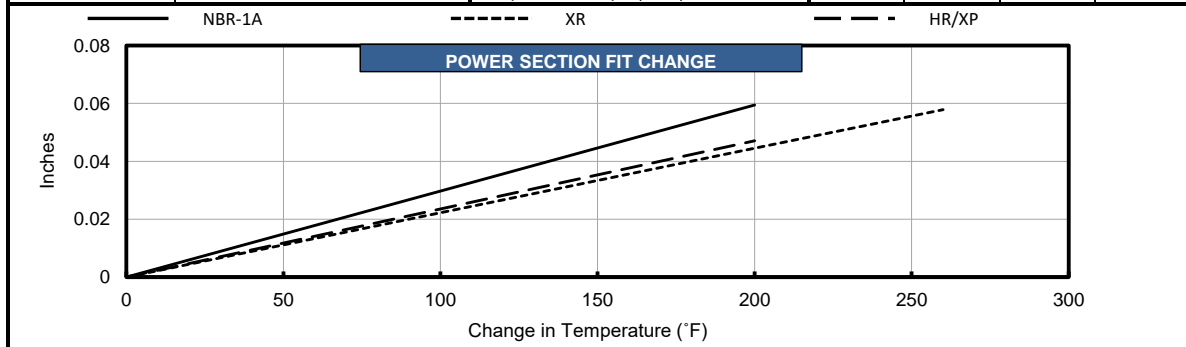
*Pending production measurements

| ROTOR SPECIFICATIONS | | STATOR SPECIFICATIONS | |
|-----------------------|-----------------------|-----------------------|-------|
| Overall Length** (in) | 220.0 | Overall Length (in) | 229.3 |
| Contour Length** (in) | 214.3 | Cutback #1** (in) | 8.0 |
| Eccentricity (in) | 0.172 | Cutback #2** (in) | 8.0 |
| Major Diameter (in) | 3.091 | Tube O.D. (in) | 5.00 |
| Weight (lb) | 355 | Tube I.D. (in) | 3.75 |
| Head Diameter*** (in) | 2.750 | Weight (lb) | 527 |
| Material** | 17-4SS | | |
| Thread | 2 3/8 Hughes External | | |
| Form*** | Flush Mod Flat | | |

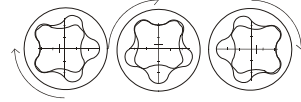
**Representative options given. Verify specific requirements before placing order.

***Customer specified

| PERFORMANCE SPECIFICATIONS | | | | | | |
|----------------------------|-----------------|---------------------------|----------|----------|----------|----------|
| | | | NBR-1A | XR | HR | XP |
| Torque Slope | 5.185 ft-lb/psi | Max. Diff. Press. (psi) | 680 | 1010 | 1010 | 1130 |
| Flow Range | 150 to 300 GPM | Max. Torque (ft-lb) | 3500 | 5250 | 5250 | 5830 |
| RPG | 0.463 rev/gal | Stall Diff. Press. (psi) | 1010 | 1520 | 1520 | 1690 |
| Speed Range | 69 to 139 RPM | Stall Torque (ft-lb) | 5250 | 7870 | 7870 | 8750 |
| Off Bottom Press. | 70 psi | Max. Recommended (HP) | 81 | 122 | 122 | 135 |
| | | PSI Per Stage | 150 | 225 | 225 | 250 |
| | | PSI Per Cavity | 23 | 35 | 35 | 39 |
| | | Temperature Slope (in/°F) | 0.000297 | 0.000222 | 0.000235 | 0.000235 |



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 | | | 69.52* | 69.52 |
| Standard | 69.70 | 70.08 | 69.75 | 69.90 |
| 1 Oversize | 70.15 | 70.43 | 70.18 | 70.18* |
| 2 Oversize | | | | |
| Nominal Fit at 75°F | | | | |
| 1 Undersize | | | 0.28* | 0.28 |
| Standard | 0.10 | -0.28 | 0.05 | -0.10 |
| 1 Oversize | -0.36 | -0.64 | -0.38 | -0.38* |
| 2 Oversize | | | | |

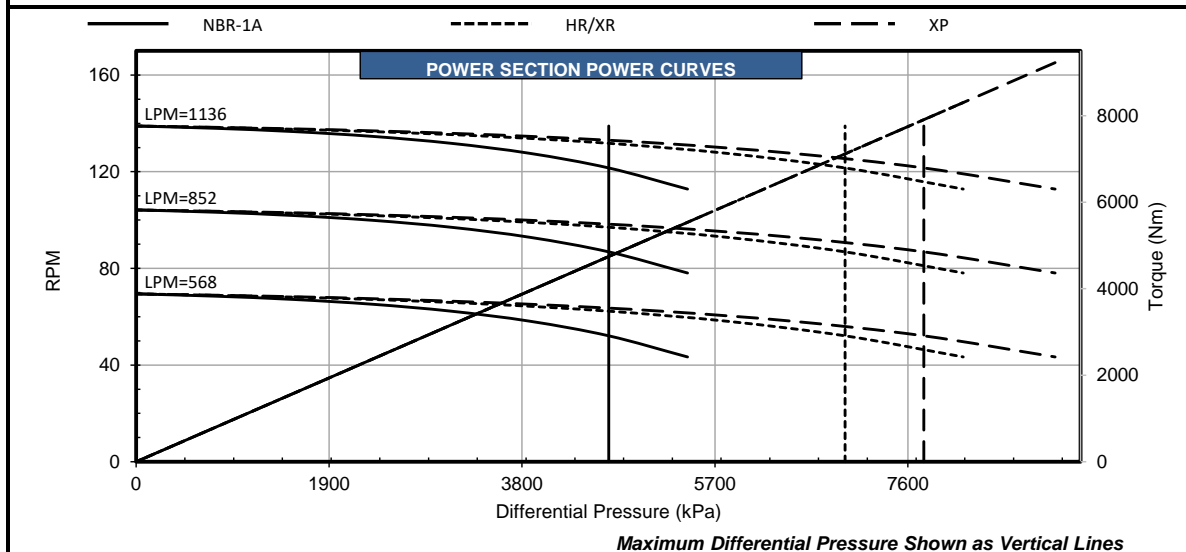
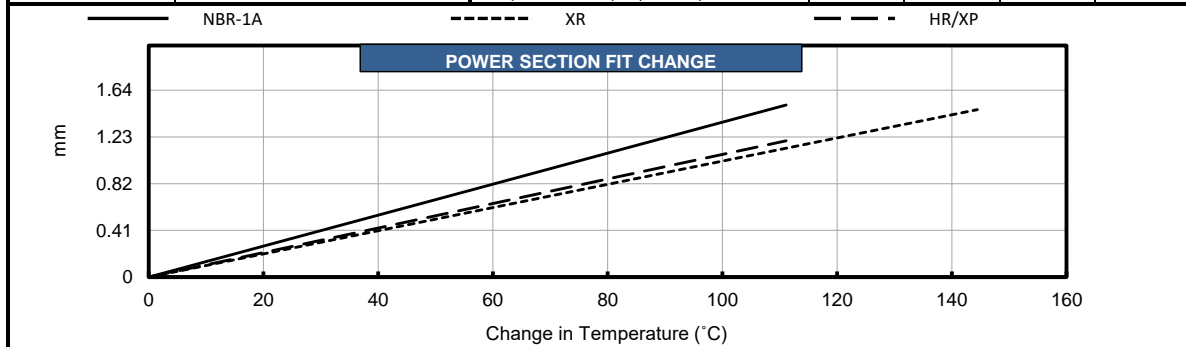
| ROTOR SPECIFICATIONS | | STATOR SPECIFICATIONS | |
|-----------------------|-----------------------|-----------------------|--------|
| Overall Length** (mm) | 5588.0 | Overall Length (mm) | 5824.2 |
| Contour Length** (mm) | 5443.2 | Cutback #1** (mm) | 203.2 |
| Eccentricity (mm) | 4.36 | Cutback #2** (mm) | 203.2 |
| Major Diameter (mm) | 78.51 | Tube O.D. (mm) | 127.0 |
| Weight (kg) | 161 | Tube I.D. (mm) | 95.3 |
| Head Diameter*** (mm) | 69.85 | Weight (kg) | 239 |
| Material** | 17-4SS | | |
| Thread | 2 3/8 Hughes External | | |
| Form*** | Flush Mod Flat | | |

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

***Customer specified

*Pending production measurements

| PERFORMANCE SPECIFICATIONS | | | | | | |
|----------------------------|-----------------------|--------|--------|--------|--------|---------------------------|
| | | NBR-1A | XR | HR | XP | |
| Torque Slope | 1.020 Nm/kPa | 4688 | 6964 | 6964 | 7791 | Max. Diff. Press. (kPa) |
| Flow Range | 568 to 1136 Litre/min | 4745 | 7118 | 7118 | 7904 | Max. Torque (Nm) |
| RPG | 0.122 rev/litre | 6964 | 10480 | 10480 | 11652 | Stall Diff. Press. (kPa) |
| Speed Range | 69 to 139 RPM | 7118 | 10670 | 10670 | 11863 | Stall Torque (Nm) |
| Off Bottom Press. | 483 kPa | 60 | 91 | 91 | 101 | Max. Recommended (kW) |
| | | 1034 | 1551 | 1551 | 1724 | kPa Per Stage |
| | | 159 | 241 | 241 | 269 | kPa Per Cavity |
| | | 0.0136 | 0.0102 | 0.0108 | 0.0108 | Temperature Slope (mm/°C) |



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