

POWER SECTION

| FIT INFORMATION - MINOR DIAMETER (in) | | | | |
|---------------------------------------|--------|-----------|--------|-------|
| Stator Size | NBR-1A | DynaPower | | |
| | | XR | HR | XP |
| 1 Undersize | | | | |
| Standard | | | 3.157* | 3.157 |
| 1 Oversize | | | | |
| 2 Oversize | | | | |
| Nominal Fit at 75°F | | | | |
| 1 Undersize | | | | |
| Standard | | | 0.000* | 0.000 |
| 1 Oversize | | | | |
| 2 Oversize | | | | |

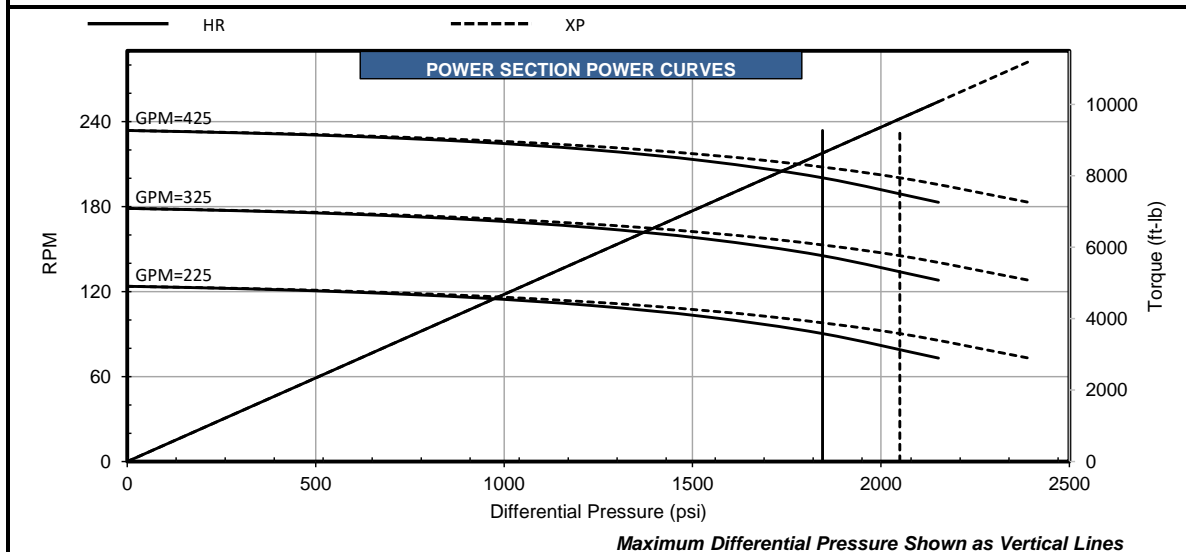
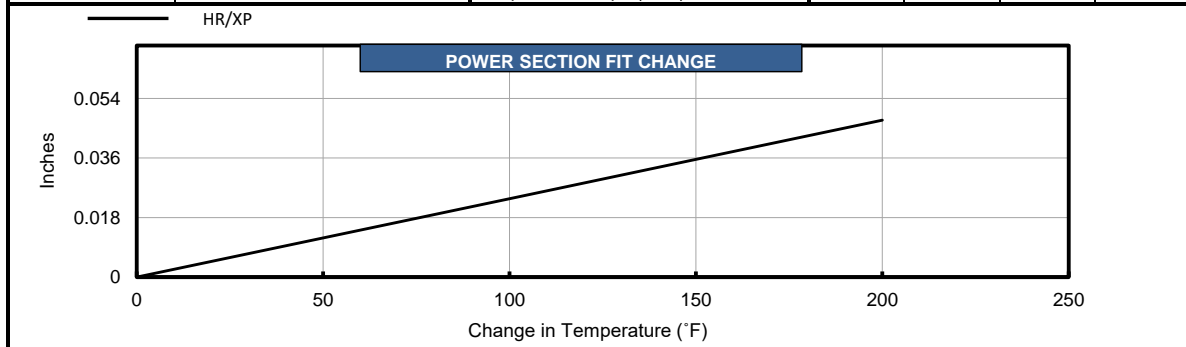
*Pending production measurements

| ROTOR SPECIFICATIONS | | STATOR SPECIFICATIONS | |
|-----------------------|----------------|-----------------------|-------|
| Overall Length** (in) | 281.8 | Overall Length (in) | 280.0 |
| Contour Length** (in) | 266.0 | Cutback #1** (in) | 8.0 |
| Eccentricity (in) | 0.214 | Cutback #2** (in) | 8.0 |
| Major Diameter (in) | 3.584 | Tube O.D. (in) | 5.25 |
| Weight (lb) | 625 | Tube I.D. (in) | 4.25 |
| Head Diameter*** (in) | 4.00 | Weight (lb) | 552 |
| Material** | 145 KSI 17-4SS | | |
| Thread Form*** | BLANK | | |

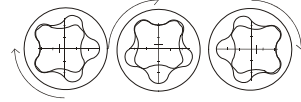
**Representative options given. Verify specific requirements before placing order.

***Customer specified

| PERFORMANCE SPECIFICATIONS | | | | | | |
|----------------------------|-----------------|---------------------------|--------|----|----------|----------|
| | | | NBR-1A | XR | HR | XP |
| Torque Slope | 4.681 ft-lb/psi | Max. Diff. Press. (psi) | | | 1850 | 2050 |
| Flow Range | 225 to 425 GPM | Max. Torque (ft-lb) | | | 8640 | 9600 |
| RPG | 0.550 rev/gal | Stall Diff. Press. (psi) | | | 2770 | 3080 |
| Speed Range | 124 to 234 RPM | Stall Torque (ft-lb) | | | 12950 | 14390 |
| Off Bottom Press. | 133 psi | Max. Recommended (HP) | | | 329 | 366 |
| | | PSI Per Stage | | | 225 | 250 |
| | | PSI Per Cavity | | | 36 | 40 |
| | | Temperature Slope (in/°F) | | | 0.000237 | 0.000237 |



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 | | | 80.19* | 80.19 |
| Standard | | | | |
| 1 Oversize | | | | |
| 2 Oversize | | | | |
| Nominal Fit at 75°F | | | | |
| 1 Undersize | | | | |
| Standard | | | 0.00* | 0.00 |
| 1 Oversize | | | | |
| 2 Oversize | | | | |

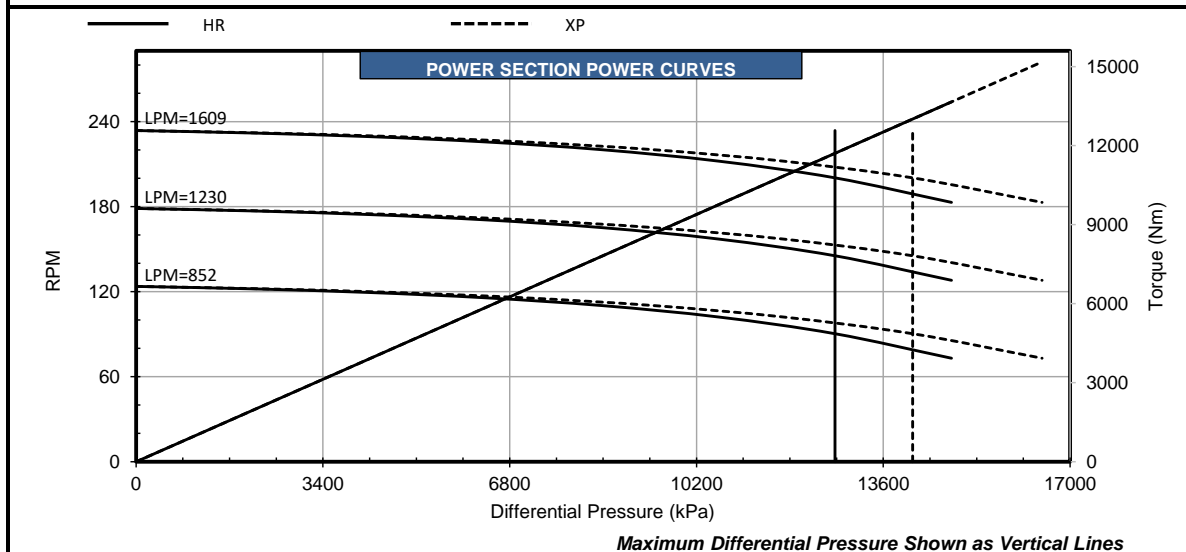
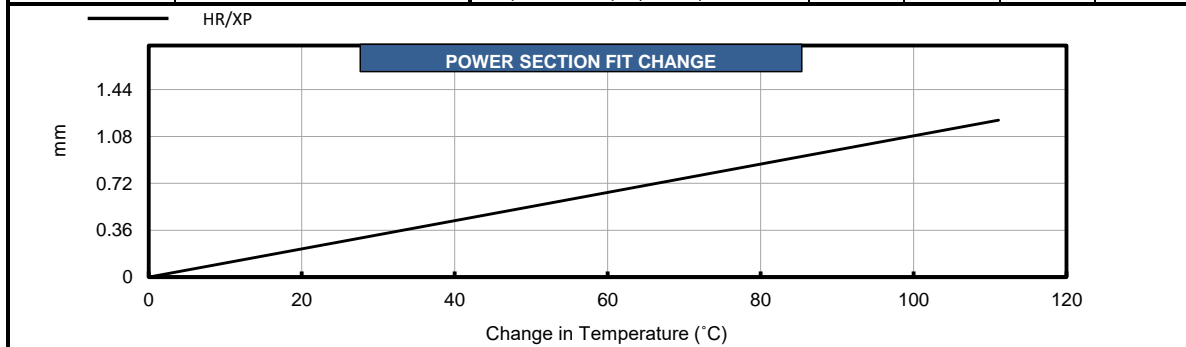
*Pending production measurements

| ROTOR SPECIFICATIONS | | STATOR SPECIFICATIONS | |
|-----------------------|----------------|-----------------------|--------|
| Overall Length** (mm) | 7157.7 | Overall Length (mm) | 7112.0 |
| Contour Length** (mm) | 6756.4 | Cutback #1** (mm) | 203.2 |
| Eccentricity (mm) | 5.42 | Cutback #2** (mm) | 203.2 |
| Major Diameter (mm) | 91.03 | Tube O.D. (mm) | 133.4 |
| Weight (kg) | 284 | Tube I.D. (mm) | 108.0 |
| Head Diameter*** (mm) | 101.60 | Weight (kg) | 250 |
| Material** | 145 KSI 17-4SS | | |
| Thread Form*** | BLANK | | |

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

***Customer specified

| PERFORMANCE SPECIFICATIONS | | | | | |
|----------------------------|-----------------------|--------|----|---------------------------|--------|
| | | NBR-1A | XR | HR | XP |
| Torque Slope | 0.920 Nm/kPa | | | 12755 | 14134 |
| Flow Range | 852 to 1609 Litre/min | | | 11714 | 13016 |
| RPG | 0.145 rev/litre | | | 19098 | 21236 |
| Speed Range | 124 to 234 RPM | | | 17558 | 19510 |
| Off Bottom Press. | 917 kPa | | | 246 | 273 |
| | | | | kPa Per Stage | 1551 |
| | | | | kPa Per Cavity | 248 |
| | | | | Temperature Slope (mm/°C) | 0.0108 |



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