

## POWER SECTION

| FIT INFORMATION - MINOR DIAMETER (in) |           |         |         |         |
|---------------------------------------|-----------|---------|---------|---------|
| Stator Size                           | DynaPower |         |         |         |
|                                       | HR        | XR      | XP      | XE      |
| 1 Undersize                           | 3.492     |         | 3.490   | 3.492*  |
| 0.5 Undersize                         | 3.500     |         |         |         |
| Standard                              | 3.507     | 3.517   | 3.507   | 3.513   |
| 1 Oversize                            | 3.522     | 3.537   | 3.527   | 3.522*  |
| 2 Oversize                            | 3.536     | 3.536*  | 3.536*  | 3.536*  |
| Nominal Fit at 75°F                   |           |         |         |         |
| 1 Undersize                           | 0.018     |         | 0.020   | 0.018*  |
| 0.5 Undersize                         | 0.010     |         |         |         |
| Standard                              | 0.003     | -0.007  | 0.003   | -0.003  |
| 1 Oversize                            | -0.012    | -0.027  | -0.017  | -0.012* |
| 2 Oversize                            | -0.026    | -0.026* | -0.026* | -0.026* |

| ROTOR SPECIFICATIONS  |               | STATOR SPECIFICATIONS |       |
|-----------------------|---------------|-----------------------|-------|
| Overall Length** (in) | 202.5         | Overall Length (in)   | 210.0 |
| Contour Length** (in) | 195.5         | Cutback #1** (in)     | 7.5   |
| Eccentricity (in)     | 0.355         | Cutback #2** (in)     | 7.5   |
| Major Diameter (in)   | 4.220         | Tube O.D. (in)        | 6.75  |
| Weight (lb)           | 500           | Tube I.D. (in)        | 5.50  |
| Head Diameter*** (in) | 4.00          | Weight (lb)           | 810   |
| Material**            | 17-4SS        |                       |       |
| Thread                | 2 7/8 API REG |                       |       |
| Form***               |               |                       |       |

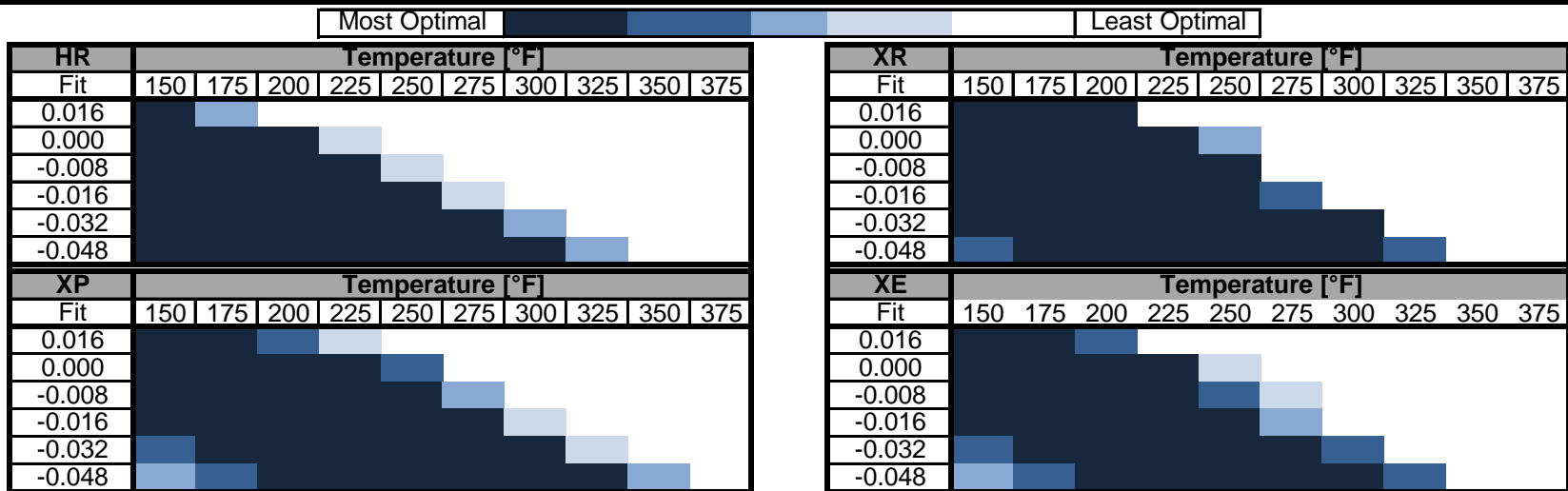
\*Pending production measurements

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

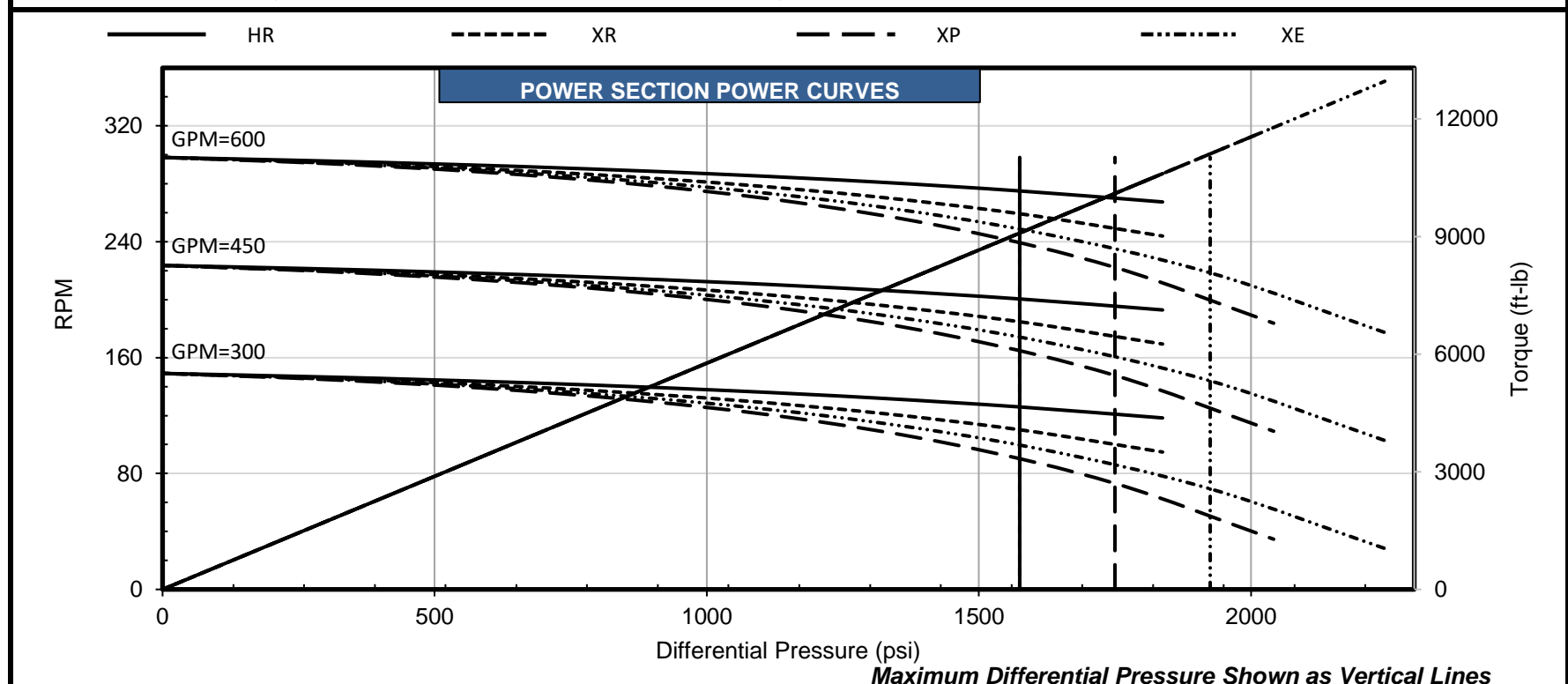
\*\*\*Customer specified

| PERFORMANCE SPECIFICATIONS |                 |                           |          |          |          |          |
|----------------------------|-----------------|---------------------------|----------|----------|----------|----------|
|                            |                 | HR                        | XR       | XP       | XE       |          |
| Torque Slope               | 5.770 ft-lb/psi |                           |          |          |          |          |
| Flow Range                 | 300 to 600 GPM  |                           |          |          |          |          |
| RPG                        | 0.497 rev/gal   |                           |          |          |          |          |
| Speed Range                | 149 to 298 RPM  |                           |          |          |          |          |
| Off Bottom Press.          | 182 psi         |                           |          |          |          |          |
|                            |                 | Max. Diff. Press. (psi)   | 1580     | 1580     | 1750     | 1930     |
|                            |                 | Max. Torque (ft-lb)       | 9090     | 9090     | 10100    | 11110    |
|                            |                 | Stall Diff. Press. (psi)  | 2360     | 2360     | 2630     | 2890     |
|                            |                 | Stall Torque (ft-lb)      | 13630    | 13630    | 15150    | 16660    |
|                            |                 | Max. Recommended (HP)     | 476      | 449      | 427      | 462      |
|                            |                 | PSI Per Stage             | 225      | 225      | 250      | 275      |
|                            |                 | PSI Per Cavity            | 51       | 51       | 56       | 62       |
|                            |                 | Temperature Slope (in/°F) | 0.000384 | 0.000369 | 0.000384 | 0.000402 |

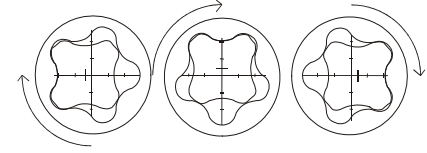
### TEMPERATURE RECOMMENDATIONS BASED ON FIT



Fit / temperature guidance assumes run conditions and mud compatibility effects from global data analysis at max flow and recommended differential pressure for maximum life.



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                           | DynaPower |        |        |        |
|                                       | HR        | XR     | XP     | XE     |
| 1 Undersize                           | 88.70     |        | 88.65  | 88.70* |
| 0.5 Undersize                         | 88.90     |        |        |        |
| Standard                              | 89.08     | 89.33  | 89.08  | 89.23  |
| 1 Oversize                            | 89.46     | 89.84  | 89.59  | 89.46* |
| 2 Oversize                            | 89.81     | 89.81* | 89.81* | 89.81* |
| Nominal Fit at 75°F                   |           |        |        |        |
| 1 Undersize                           | 0.46      |        | 0.51   | 0.46*  |
| 0.5 Undersize                         | 0.25      |        |        |        |
| Standard                              | 0.08      | -0.18  | 0.08   | -0.08  |
| 1 Oversize                            | -0.30     | -0.69  | -0.43  | -0.30* |
| 2 Oversize                            | -0.66     | -0.66* | -0.66* | -0.66* |

| ROTOR SPECIFICATIONS  |               | STATOR SPECIFICATIONS |        |
|-----------------------|---------------|-----------------------|--------|
| Overall Length** (mm) | 5143.5        | Overall Length (mm)   | 5334.0 |
| Contour Length** (mm) | 4965.7        | Cutback #1** (mm)     | 190.5  |
| Eccentricity (mm)     | 9.02          | Cutback #2** (mm)     | 190.5  |
| Major Diameter (mm)   | 107.19        | Tube O.D. (mm)        | 171.5  |
| Weight (kg)           | 227           | Tube I.D. (mm)        | 139.7  |
| Head Diameter*** (mm) | 101.60        | Weight (kg)           | 367    |
| Material**            | 17-4SS        |                       |        |
| Thread Form***        | 2 7/8 API REG |                       |        |

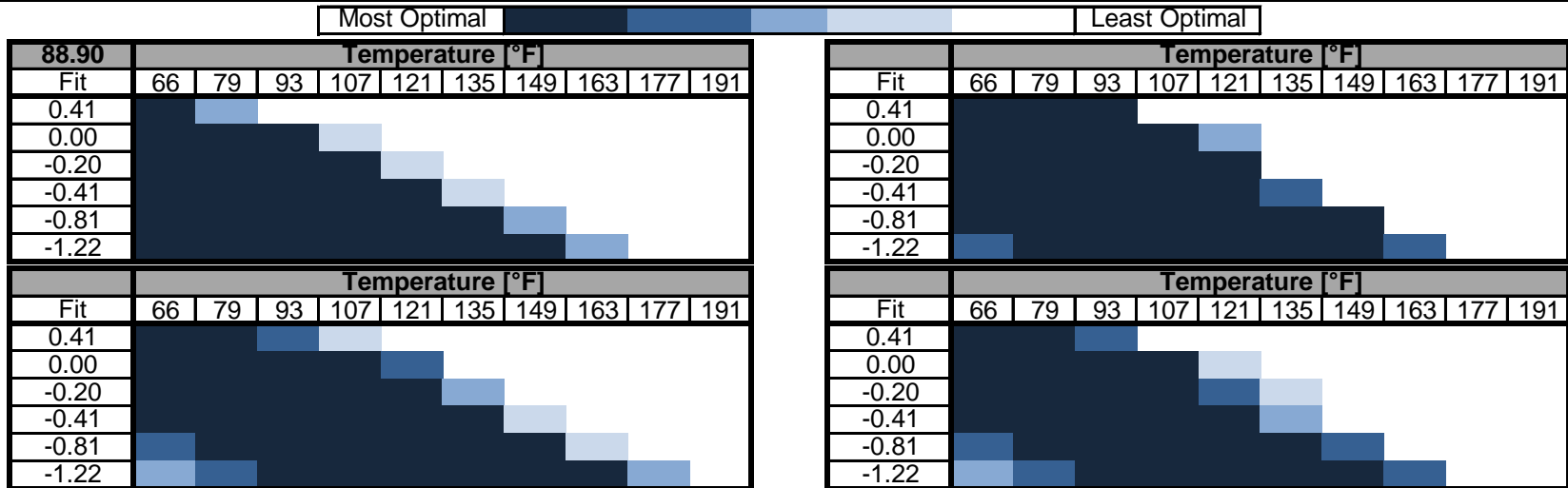
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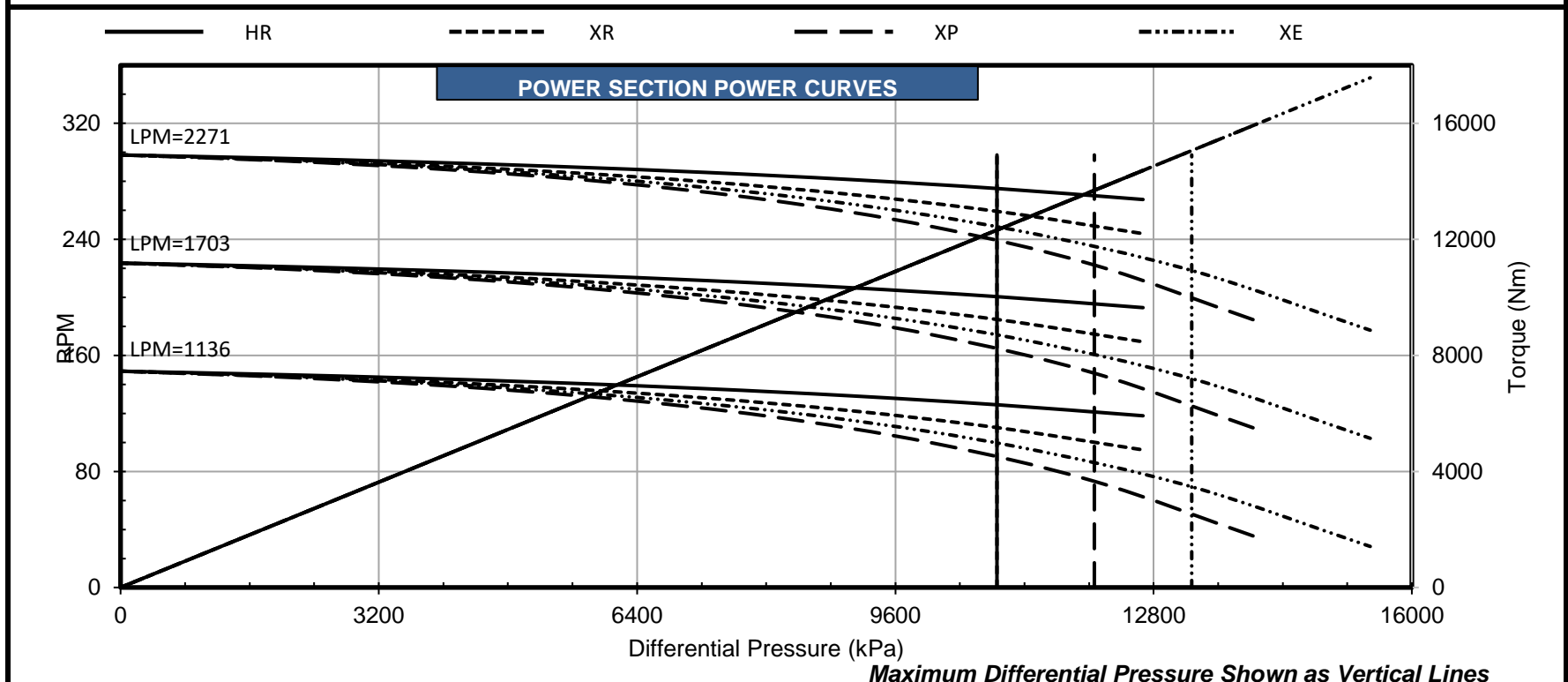
\*\*\*Customer specified

| PERFORMANCE SPECIFICATIONS |                        |                           |        |        |        |        |
|----------------------------|------------------------|---------------------------|--------|--------|--------|--------|
|                            |                        | HR                        | XR     | XP     | XE     |        |
| Torque Slope               | 1.135 Nm/kPa           | 10894                     | 10894  | 12066  | 13307  |        |
| Flow Range                 | 1136 to 2271 Litre/min | 12324                     | 12324  | 13694  | 15063  |        |
| RPG                        | 0.131 rev/litre        | 16272                     | 16272  | 18133  | 19926  |        |
| Speed Range                | 149 to 298 RPM         | 18480                     | 18480  | 20541  | 22588  |        |
| Off Bottom Press.          | 1255 kPa               | 355                       | 335    | 319    | 345    |        |
|                            |                        | kPa Per Stage             | 1551   | 1551   | 1724   | 1896   |
|                            |                        | kPa Per Cavity            | 352    | 352    | 386    | 427    |
|                            |                        | Temperature Slope (mm/°C) | 0.0175 | 0.0169 | 0.0175 | 0.0184 |

### TEMPERATURE RECOMMENDATIONS BASED ON FIT



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