

**Moyno® ERT™  
Power Section**



**962ERT6735**

September 2008

Moyno® **Even Rubber Thickness** (ERT™) power sections dramatically improve motor ROP by providing over 100% more power to the drill bit than conventional power sections of the same length. High power outputs are achieved by applying an even thickness of rubber to an *internally machined, one-piece stator contour*.

**Performance Summary**

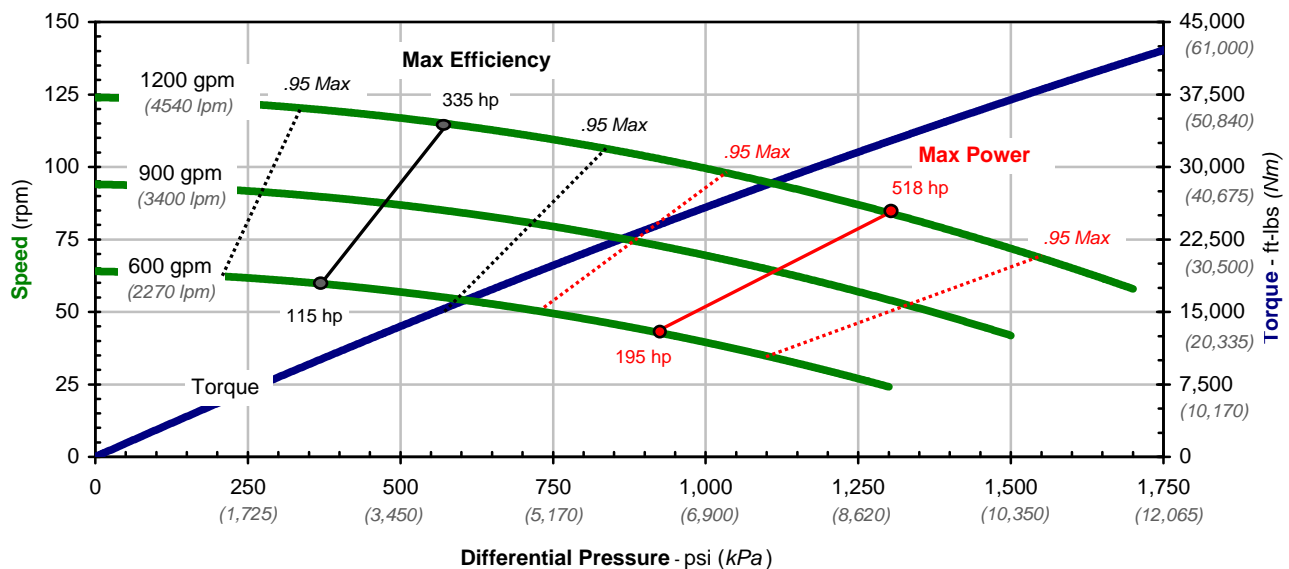
|                 |                    |                      |                   |
|-----------------|--------------------|----------------------|-------------------|
| <b>Torque</b>   | At max power       | <b>32,275 ft-lbs</b> | (43,750 Nm)       |
|                 | Stall              | <b>54,000 ft-lbs</b> | (73,215 Nm)       |
| <b>Power</b>    | Max                | <b>518 hp</b>        | (386 Kw)          |
|                 | No load            | <b>65-125 rpm</b>    | -                 |
| <b>Speed</b>    | Rev/unit volume    | <b>0.107 rev/gal</b> | (0.028 rev/liter) |
|                 | Range              | <b>600-1,200 gpm</b> | (2,270-4,540 lpm) |
| <b>Flow</b>     | No load - mid flow | <b>100 psi</b>       | (689 kPa)         |
|                 | At max power       | <b>1,300 psi</b>     | (8,965 kPa)       |
| <b>Pressure</b> | Stall max          | <b>2,400 psi</b>     | (16,550 kPa)      |

**SPECIFICATIONS**

|               | Configuration    |       |                  | Lengths         |                 |                                  |                  | Diameters        |                  |                  |                                    | General Data         |                       |             |
|---------------|------------------|-------|------------------|-----------------|-----------------|----------------------------------|------------------|------------------|------------------|------------------|------------------------------------|----------------------|-----------------------|-------------|
|               | Stages           | Lobes | Fit at 75°F      | Contour         | Overall         | Rubber Cutback                   |                  | Tube OD          | Tube ID          | Major            | Minor                              | Material             | Weight                | Thread      |
| <b>Stator</b> | 3.5              | 7     | 0.015<br>(0.381) | 183<br>(4648)   | 210<br>(5334)   | Top 13.5 (343)<br>Btm 13.5 (343) | 9.62<br>(244)    | 7.855<br>(199.5) | 7.005<br>(177.9) | 5.357<br>(136.1) | 4142 HR Tube<br>Ultra-Flex® Insert | 1950 lbs<br>(885 kg) | Customer<br>Specified |             |
| <b>Rotor</b>  | 0.412<br>(10.46) | 6     |                  | 189.5<br>(4813) | 197.5<br>(5017) | 8.00 (203)                       | 5.900<br>(149.9) | 2.0<br>(51)      | 6.196<br>(157.4) |                  |                                    |                      |                       | 17-4 SS Bar |
|               | Eccentricity     |       |                  | Head Length     |                 |                                  | Head OD          | Rotor Bore       |                  |                  |                                    |                      |                       |             |

All dimensions are in inches (mm) unless otherwise noted and are subject to change without notice.

**PERFORMANCE**



**Notes:** Performance curves based on dyno testing at 150°F. Actual field performance will vary based on fit and operational conditions. **.95 max** highlights ranges in which 95% of max efficiency and power are obtained. Higher differential pressures and flow rates reduce stator life.

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