

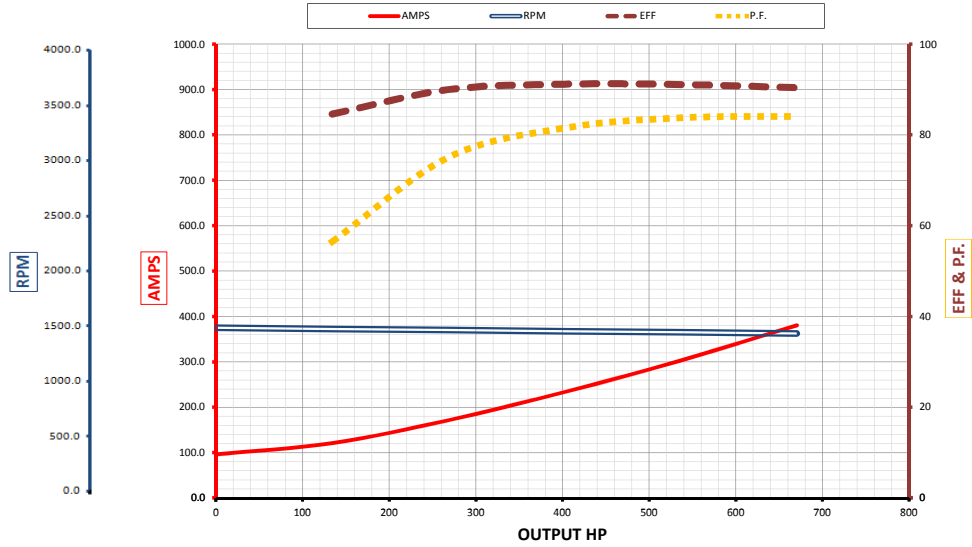


# MOTOR PERFORMANCE DATA

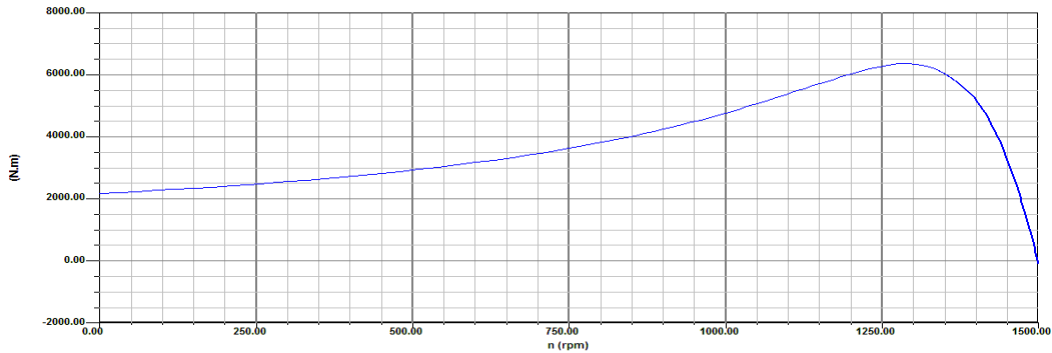
Model: **16" 4P Submersible Motor**

|              |       |                |               |             |                |  |
|--------------|-------|----------------|---------------|-------------|----------------|--|
| <b>WATER</b> | Type  | <b>536</b>     | HP            | <b>303</b>  | AMPS           | <b>Date: 5/08/2014</b><br><b>536 HP</b><br><b>1460 RPM</b><br><b>1100 mm Stack</b> |
| <b>3</b>     | Phase | <b>1000</b>    | Volt          | <b>1460</b> | RPM            |  |
| <b>1.15</b>  | S.F.  | <b>30Deg.C</b> | Max.Amb.Water | <b>50</b>   | Hertz          |  |
|              |       |                |               | <b>4540</b> | Kg Thrust Load |  |

|                      |             |                  | Load    | KW out | HP  | KW in | EFF  | P.F.        | RPM         | AMPS         |
|----------------------|-------------|------------------|---------|--------|-----|-------|------|-------------|-------------|--------------|
| Full Load Torque     | <b>2613</b> | Nm               | No Load | 0      | 0   | 14    | 0    | <b>0.09</b> | <b>1500</b> | <b>96.1</b>  |
| Break Down Torque    | <b>6370</b> | Nm               | 25%     | 100    | 134 | 118   | 84.6 | <b>0.56</b> | <b>1490</b> | <b>121.0</b> |
| Locked Rotor Torque  | <b>2176</b> | Nm               | 50%     | 200    | 268 | 222   | 90.0 | <b>0.75</b> | <b>1480</b> | <b>171.3</b> |
| Locked Rotor Current | <b>1463</b> | Amps             | 75%     | 300    | 402 | 329   | 91.1 | <b>0.81</b> | <b>1470</b> | <b>233.5</b> |
| Winding Resistance   | <b>0.08</b> | Ohms             | 100%    | 400    | 536 | 439   | 91.1 | <b>0.84</b> | <b>1460</b> | <b>303.1</b> |
| Weight (With Water)  | <b>1600</b> | Kg (Approximate) | 125%    | 500    | 671 | 553   | 90.4 | <b>0.84</b> | <b>1450</b> | <b>380.6</b> |



OUTPUT TORQUE VS SPEED



ADDITIONAL INPUT WATTS DUE TO THRUST

