

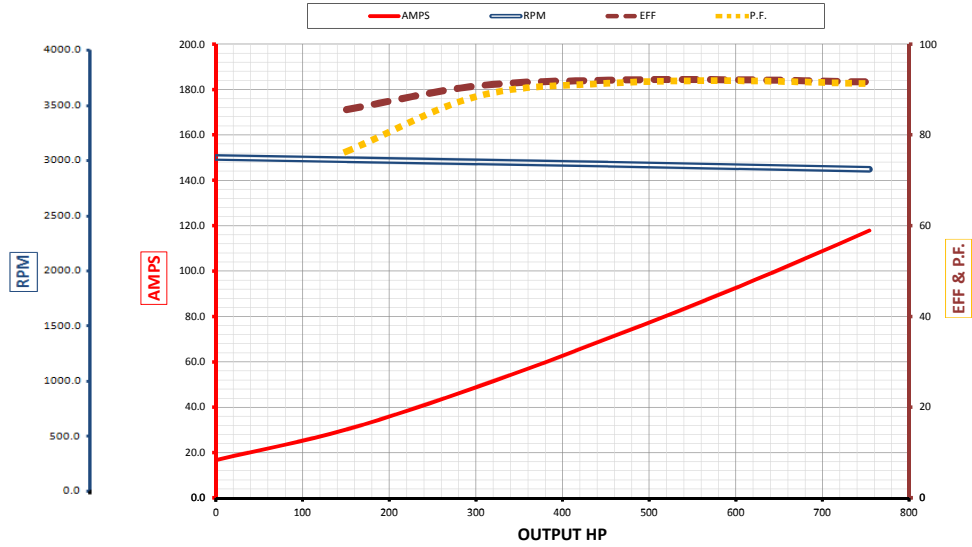


# MOTOR PERFORMANCE DATA

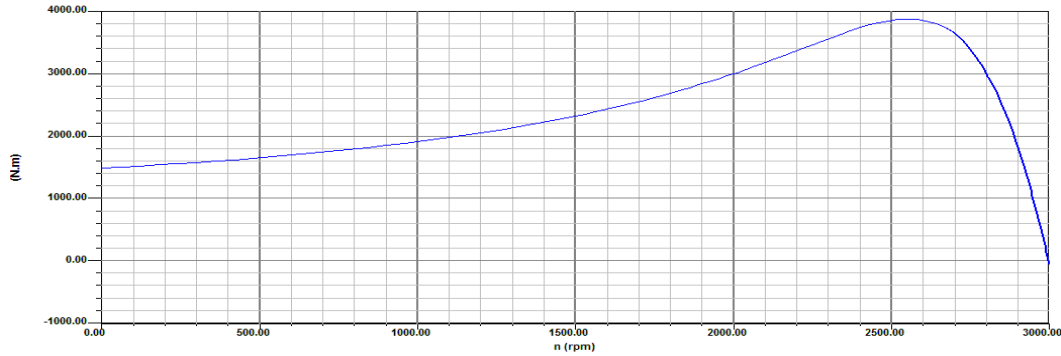
Model: **16" 2P Submersible Motor**

|              |       |                |               |             |                |                                                                                    |
|--------------|-------|----------------|---------------|-------------|----------------|------------------------------------------------------------------------------------|
| <b>WATER</b> | Type  | <b>600</b>     | HP            | <b>93</b>   | AMPS           | <b>Date: 5/04/2013</b><br><b>600 HP</b><br><b>2920 RPM</b><br><b>1000 mm Stack</b> |
| <b>3</b>     | Phase | <b>3300</b>    | Volt          | <b>2920</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>1470</b> | Nm               | <b>No Load</b> | <b>0</b>     | <b>0</b>     | <b>17</b>  | <b>0</b>    | <b>0.18</b> | <b>3000</b> | <b>16.7</b>  |
| Break Down Torque    | <b>3876</b> | Nm               | <b>25%</b>     | <b>112.5</b> | <b>150.9</b> | <b>132</b> | <b>85.6</b> | <b>0.76</b> | <b>2981</b> | <b>30.2</b>  |
| Locked Rotor Torque  | <b>1494</b> | Nm               | <b>50%</b>     | <b>225.0</b> | <b>301.7</b> | <b>248</b> | <b>90.8</b> | <b>0.89</b> | <b>2962</b> | <b>49.0</b>  |
| Locked Rotor Current | <b>503</b>  | Amps             | <b>75%</b>     | <b>337.5</b> | <b>452.6</b> | <b>367</b> | <b>92.0</b> | <b>0.91</b> | <b>2941</b> | <b>70.3</b>  |
| Winding Resistance   | <b>0.55</b> | Ohms             | <b>100%</b>    | <b>450.0</b> | <b>603.5</b> | <b>489</b> | <b>92.1</b> | <b>0.92</b> | <b>2920</b> | <b>93.1</b>  |
| Weight (With Water)  | <b>1490</b> | Kg (Approximate) | <b>125%</b>    | <b>562.5</b> | <b>754.3</b> | <b>614</b> | <b>91.6</b> | <b>0.91</b> | <b>2897</b> | <b>117.8</b> |



OUTPUT TORQUE VS SPEED



ADDITIONAL INPUT WATTS DUE TO THRUST

