

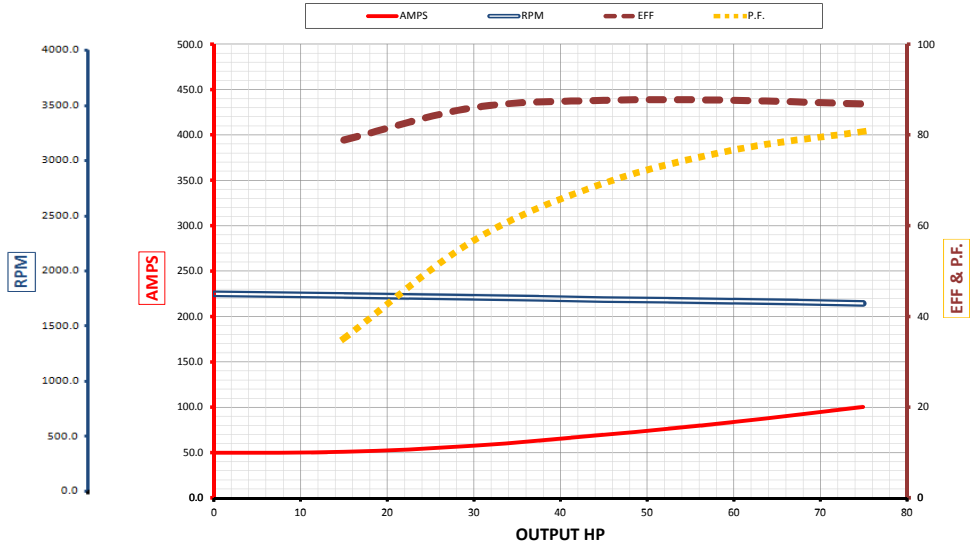


# MOTOR PERFORMANCE DATA

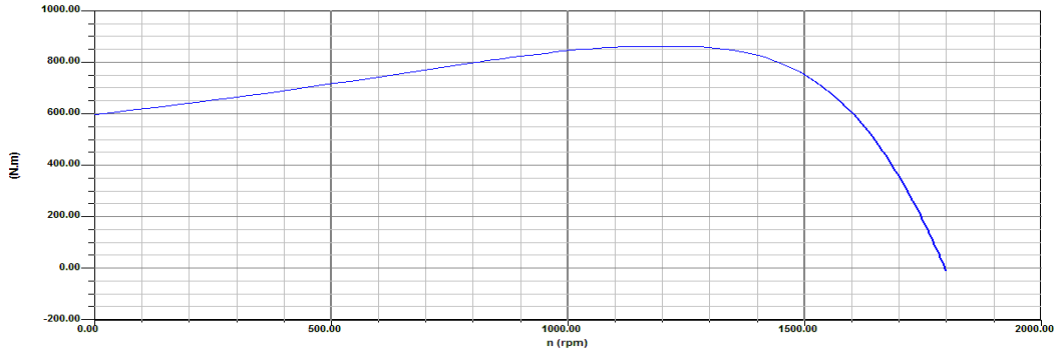
Model: **10" 4P Submersible Motor**

<b>WATER</b>	Type	<b>60</b>	HP	<b>84</b>	AMPS	<b>Date: 27/06/2014</b> <b>60 HP</b> <b>1735 RPM</b> <b>500 mm Stack</b>
<b>3</b>	Phase	<b>460</b>	Volt	<b>1735</b>	RPM	
<b>1.15</b>	S.F.	<b>30Deg.C</b>	Max.Amb.Water	<b>60</b>	Hertz	
				<b>4540</b>	Kg Thrust Load	

			Load	KW out	HP	KW in	EFF	P.F.	RPM	AMPS
Full Load Torque	<b>246</b>	Nm	<b>No Load</b>	<b>0</b>	<b>0</b>	<b>2.1</b>	<b>0</b>	<b>0.05</b>	<b>1800</b>	<b>49.9</b>
Break Down Torque	<b>862</b>	Nm	<b>25%</b>	<b>11.2</b>	<b>15</b>	<b>14.2</b>	<b>78.8</b>	<b>0.35</b>	<b>1785</b>	<b>50.8</b>
Locked Rotor Torque	<b>599</b>	Nm	<b>50%</b>	<b>22.4</b>	<b>30</b>	<b>26.0</b>	<b>86.0</b>	<b>0.57</b>	<b>1770</b>	<b>57.6</b>
Locked Rotor Current	<b>502</b>	Amps	<b>75%</b>	<b>33.5</b>	<b>45</b>	<b>38.3</b>	<b>87.6</b>	<b>0.69</b>	<b>1750</b>	<b>69.5</b>
Winding Resistance	<b>0.22</b>	Ohms	<b>100%</b>	<b>44.7</b>	<b>60</b>	<b>51.0</b>	<b>87.6</b>	<b>0.77</b>	<b>1735</b>	<b>83.6</b>
Weight (With Water)	<b>265</b>	Kg (Approximate)	<b>125%</b>	<b>55.9</b>	<b>75</b>	<b>64.4</b>	<b>86.8</b>	<b>0.81</b>	<b>1715</b>	<b>100.2</b>



OUTPUT TORQUE VS SPEED



ADDITIONAL INPUT WATTS DUE TO THRUST

