

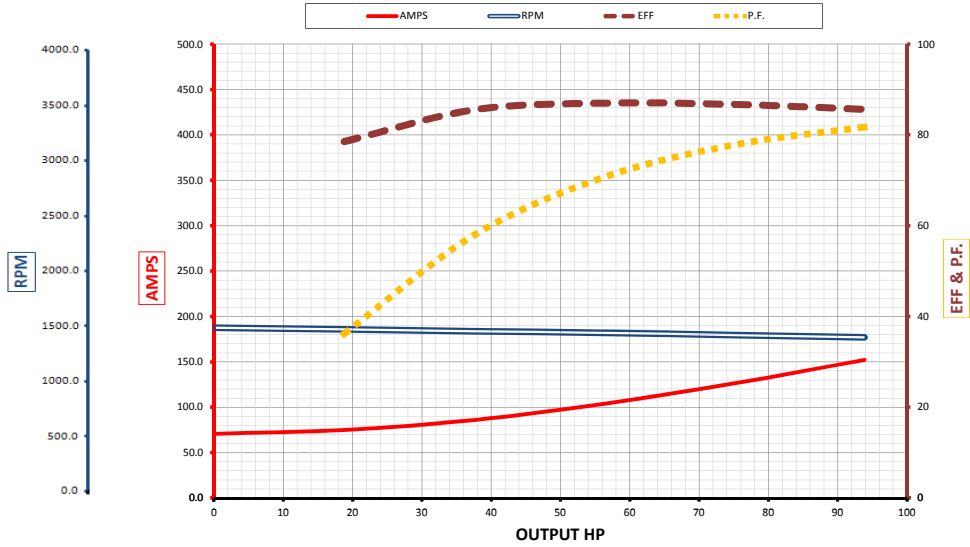


# MOTOR PERFORMANCE DATA

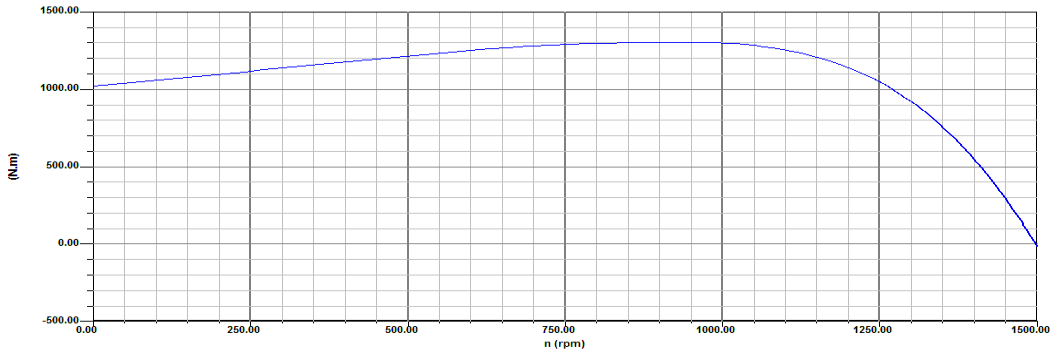
Model: **10" 4P Submersible Motor**

<b>WATER</b>	Type	<b>75</b>	HP	<b>126</b>	AMPS	<b>Date: 28/08/2014</b> <b>75 HP</b> <b>1435 RPM</b> <b>800 mm Stack</b>
<b>3</b>	Phase	<b>380</b>	Volt	<b>1435</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>372</b>	Nm	<b>No Load</b>	<b>0</b>	<b>0</b>	<b>2.6</b>	<b>0</b>	<b>0.06</b>	<b>1500</b>	<b>70.6</b>
Break Down Torque	<b>1305</b>	Nm	<b>25%</b>	<b>14.0</b>	<b>19</b>	<b>17.8</b>	<b>78.5</b>	<b>0.36</b>	<b>1485</b>	<b>74.9</b>
Locked Rotor Torque	<b>1022</b>	Nm	<b>50%</b>	<b>28.0</b>	<b>38</b>	<b>32.7</b>	<b>85.5</b>	<b>0.58</b>	<b>1470</b>	<b>85.9</b>
Locked Rotor Current	<b>758</b>	Amps	<b>75%</b>	<b>42.0</b>	<b>56</b>	<b>48.3</b>	<b>87.0</b>	<b>0.71</b>	<b>1455</b>	<b>103.9</b>
Winding Resistance	<b>0.14</b>	Ohms	<b>100%</b>	<b>56.0</b>	<b>75</b>	<b>64.6</b>	<b>86.7</b>	<b>0.78</b>	<b>1435</b>	<b>126.3</b>
Weight (With Water)	<b>420</b>	Kg (Approximate)	<b>125%</b>	<b>70.0</b>	<b>94</b>	<b>81.8</b>	<b>85.6</b>	<b>0.82</b>	<b>1415</b>	<b>152.2</b>



OUTPUT TORQUE VS SPEED



ADDITIONAL INPUT WATTS DUE TO THRUST

