

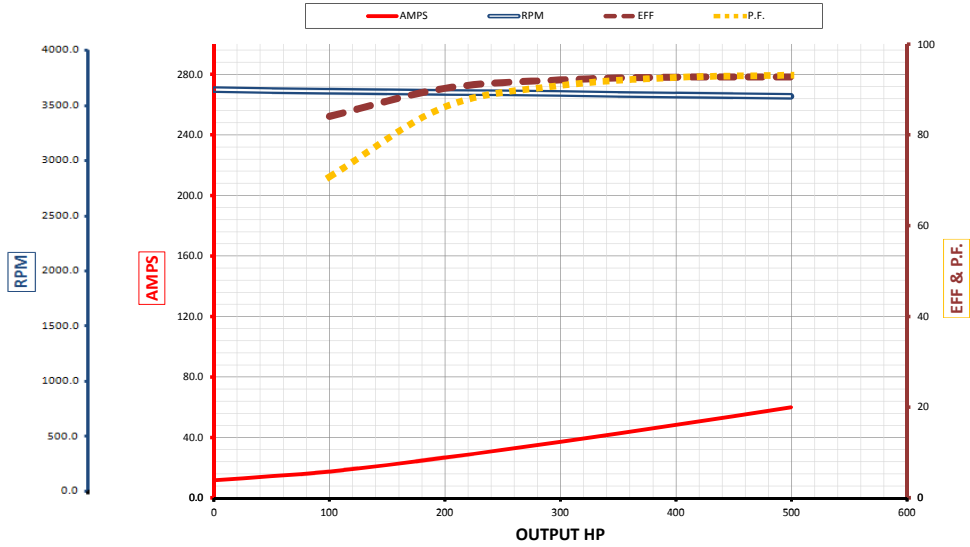


# MOTOR PERFORMANCE DATA

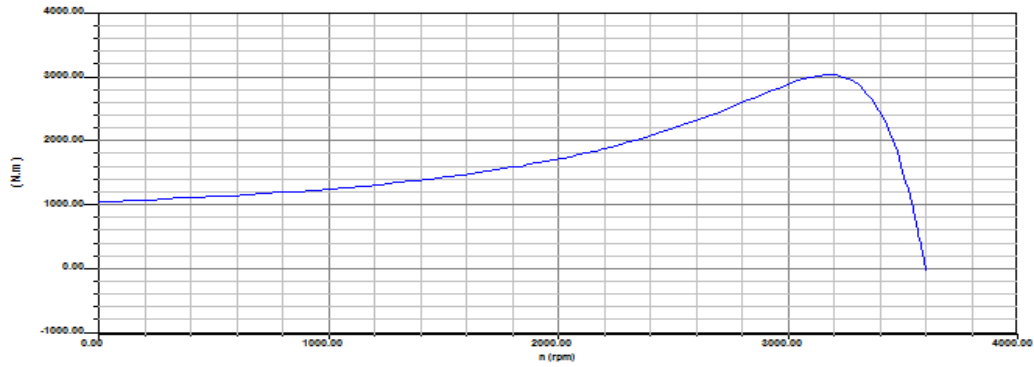
Model: **16" 2P Submersible Motor**

<b>WATER</b>	Type	<b>400</b>	HP	<b>48</b>	AMPS	<b>Date: 10/07/2012</b> <b>400 HP</b> <b>3550 RPM</b> <b>1050 mm Stack</b>
<b>3</b>	Phase	<b>4160</b>	Volt	<b>3550</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>801</b>	Nm	<b>No Load</b>	<b>0</b>	<b>0</b>	<b>13</b>	<b>0</b>	<b>0.16</b>	<b>3600</b>	<b>11.7</b>
Break Down Torque	<b>3034</b>	Nm	<b>25%</b>	<b>75</b>	<b>100</b>	<b>89</b>	<b>84.1</b>	<b>0.71</b>	<b>3585</b>	<b>17.4</b>
Locked Rotor Torque	<b>1061</b>	Nm	<b>50%</b>	<b>149</b>	<b>200</b>	<b>165</b>	<b>90.3</b>	<b>0.86</b>	<b>3575</b>	<b>26.6</b>
Locked Rotor Current	<b>289</b>	Amps	<b>75%</b>	<b>224</b>	<b>300</b>	<b>243</b>	<b>92.1</b>	<b>0.91</b>	<b>3565</b>	<b>37.1</b>
Winding Resistance	<b>1.33</b>	Ohms	<b>100%</b>	<b>298</b>	<b>400</b>	<b>321</b>	<b>92.7</b>	<b>0.93</b>	<b>3550</b>	<b>48.2</b>
Weight (With Water)	<b>1470</b>	Kg (Approximate)	<b>125%</b>	<b>373</b>	<b>500</b>	<b>401</b>	<b>92.8</b>	<b>0.93</b>	<b>3540</b>	<b>59.9</b>



OUTPUT TORQUE VS SPEED



ADDITIONAL INPUT WATTS DUE TO THRUST

