

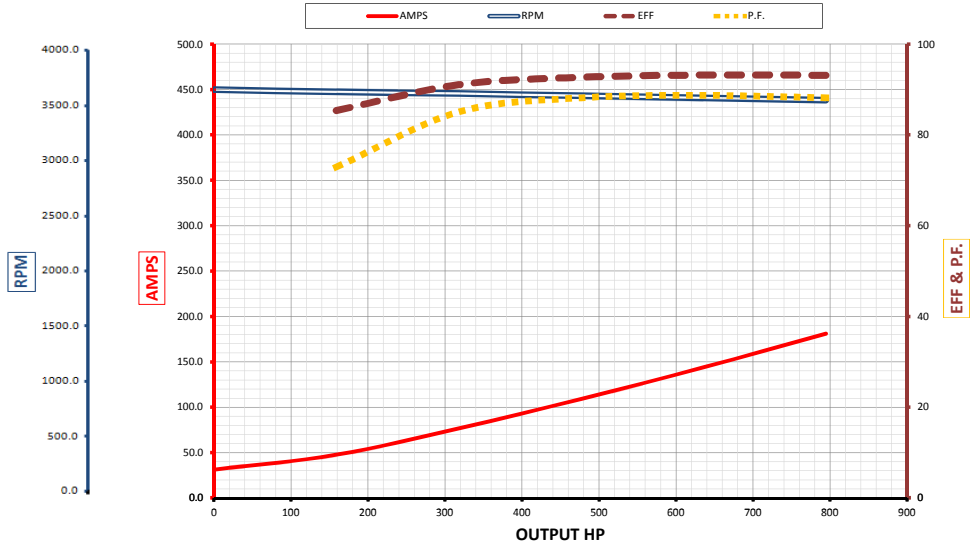


# MOTOR PERFORMANCE DATA

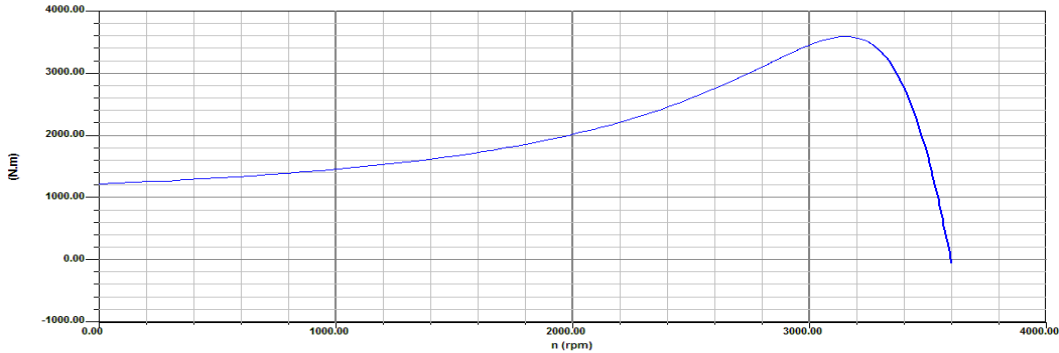
Model: **16" 2P Submersible Motor**

<b>WATER</b>	Type	<b>636</b>	HP	<b>144</b>	AMPS	<b>Date: 25/09/2014</b> <b>636 HP</b> <b>3525 RPM</b> <b>900 mm Stack</b>
<b>3</b>	Phase	<b>2300</b>	Volt	<b>3525</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>1284</b>	Nm	<b>No Load</b>	<b>0</b>	<b>0</b>	<b>23</b>	<b>0</b>	<b>0.18</b>	<b>3600</b>	<b>31.4</b>
Break Down Torque	<b>3588</b>	Nm	<b>25%</b>	<b>119</b>	<b>159</b>	<b>139</b>	<b>85.4</b>	<b>0.73</b>	<b>3580</b>	<b>47.8</b>
Locked Rotor Torque	<b>1228</b>	Nm	<b>50%</b>	<b>237</b>	<b>318</b>	<b>260</b>	<b>91.1</b>	<b>0.85</b>	<b>3565</b>	<b>76.9</b>
Locked Rotor Current	<b>781</b>	Amps	<b>75%</b>	<b>356</b>	<b>477</b>	<b>384</b>	<b>92.7</b>	<b>0.88</b>	<b>3545</b>	<b>109.3</b>
Winding Resistance	<b>0.12</b>	Ohms	<b>100%</b>	<b>474</b>	<b>636</b>	<b>509</b>	<b>93.2</b>	<b>0.89</b>	<b>3525</b>	<b>144.1</b>
Weight (With Water)	<b>1400</b>	Kg (Approximate)	<b>125%</b>	<b>593</b>	<b>795</b>	<b>636</b>	<b>93.2</b>	<b>0.88</b>	<b>3505</b>	<b>181.2</b>



OUTPUT TORQUE VS SPEED



ADDITIONAL INPUT WATTS DUE TO THRUST

